

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 16:53:34 ; Search time 24.9938 Seconds
(without alignments)
164.866 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 532

Sequence: 1 EVEVSRDHALSGDSEILSQT.....LTGCLPWPATSHLGRKCS 97

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	68	12.8	458	3	US-09-292-071-29
2	68	12.8	458	3	US-09-292-069A-29
3	68	12.8	458	4	US-09-767-013-29
4	68	12.8	458	4	US-09-292-072-29
5	68	12.8	458	4	US-09-170-496D-230
6	67	12.6	458	1	US-08-310-271-2
7	67	12.6	458	3	US-09-292-071-27
8	67	12.6	458	3	US-09-292-069A-27
9	67	12.6	458	3	US-09-032-742-10
10	67	12.6	458	4	US-09-767-013-27
11	67	12.6	458	4	US-09-341-446B-11
12	67	12.6	458	4	US-09-292-072-27
13	67	12.6	458	4	US-09-170-496D-126
14	67	12.6	1601	4	US-09-345-473E-40
15	66	12.4	478	3	US-09-292-071-33
16	66	12.4	478	3	US-09-292-069A-33
17	66	12.4	478	4	US-09-767-013-33
18	66	12.4	478	4	US-09-292-072-33
19	65	12.2	852	4	US-09-206-551-19
20	64	12.0	146	4	US-09-252-991A-20461
21	64	12.0	380	4	US-09-134-001C-3830
22	64	12.0	788	4	US-09-215-694-15
23	62.5	11.7	728	4	US-09-252-991A-28306
24	62	11.7	478	3	US-09-292-071-31
25	62	11.7	478	3	US-09-292-069A-31
26	62	11.7	478	4	US-09-767-013-31
27	62	11.7	478	4	US-09-292-072-31

28	61.5	11.6	111	1	US-08-334-773A-6	Sequence 6, Appli
29	61.5	11.6	365	2	US-08-428-243-9	Sequence 9, Appli
30	61.5	11.6	365	5	PCT-US93-10301-9	Sequence 9, Appli
31	61.5	11.6	422	1	US-07-996-772A-12	Sequence 12, Appli
32	61.5	11.6	445	2	US-08-157-185-2	Sequence 2, Appli
33	61.5	11.6	445	3	US-08-281-526B-2	Sequence 2, Appli
34	61.5	11.6	445	4	US-09-450-797-2	Sequence 2, Appli
35	61.5	11.6	445	4	US-09-328-314-16	Sequence 16, Appli
36	61.5	11.6	445	4	US-09-450-790A-2	Sequence 2, Appli
37	61.5	11.6	445	4	US-09-332-837-2	Sequence 2, Appli
38	61.5	11.6	445	5	PCT-US93-10553-2	Sequence 2, Appli
39	61	11.5	62	4	US-08-324-629C-71	Sequence 71, Appli
40	61	11.5	641	4	US-09-167-206-4	Sequence 4, Appli
41	60.5	11.4	488	3	US-09-092-636-9	Sequence 9, Appli
42	60	11.3	459	4	US-09-526-309B-1	Sequence 1, Appli
43	60	11.3	459	4	US-09-526-309B-3	Sequence 3, Appli
44	60	11.3	459	4	US-09-526-309B-5	Sequence 5, Appli
45	60	11.3	459	4	US-09-526-309B-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-292-071-29
; Sequence 29, Application US/09292071
; Patent No. 6107324
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derrick
; TITLE OF INVENTION: No. 6107324-Endogenous, Constitutively Activated
; TITLE OF INVENTION: Human Serotonin Receptors and Small Molecule Modulators Ther
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arena Pharmaceuticals, Inc.
; STREET: 6166 Nancy Ridge Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/292,071
; FILING DATE: April 14, 1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Rosen
; REGISTRATION NUMBER: 39,822
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 564-6525
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 458 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-09-292-071-29

Query Match 12.8%; Score 68; DB 3; Length 458;

Best Local Similarity 27.4%; Pred.No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

Qy 6 RDHASLGDSETLTQSLRKRRKKK-----ERKFOANCGIDFIIFWIFWILLF 54

Db 269 RNTAEENSANPDQNNARRKKRRPRGTQAINNERKAKKVLGIVFFVFLIMCFFF 328

Qy 55 SHHWIOESLLCPSPKVEVTCREML 78

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; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6420541el Sequence
US-09-767-013-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPFF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 4
US-09-292-072-29
; Sequence 29, Application US/09292072
; Patent No. 6541209
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derick
; TITLE OF INVENTION: No. 6541209-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/292,072
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6541209el Sequence
US-09-292-072-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPFF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 5
US-09-170-496D-230
; Sequence 230, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derick
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protei
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 230
; LENGTH: 458

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; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6420541el Sequence
US-09-767-013-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPPF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 4
US-09-292-072-29
; Sequence 29, Application US/09292072
; Patent No. 6541209
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derick
; TITLE OF INVENTION: No. 6541209-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/292,072
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6541209el Sequence
US-09-292-072-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPPF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 5
US-09-170-496D-230
; Sequence 230, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derick
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protei
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 230
; LENGTH: 458

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; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6420541el Sequence
US-09-767-013-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPPF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 4
US-09-292-072-29
; Sequence 29, Application US/09292072
; Patent No. 6541209
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derick
; TITLE OF INVENTION: No. 6541209-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/292,072
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6541209el Sequence
US-09-292-072-29

Query Match 12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELRKKERKKR-----ERKFOANCIGDIFIIFWIFWILLF 54
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 269 RNTAEENSANPNQDNARRKKERPRGTMOAINNERKAKKVLGIVFVFLIMWCPPF 328
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 329 ITNIL--SVLC-----EKSCNQKL 345
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RESULT 5
US-09-170-496D-230
; Sequence 230, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derick
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protei
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 230
; LENGTH: 458

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-230

Query Match      12.8%; Score 68; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 7;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

QY 6 RDHASLGDSSTLSQTELRKKRKKR-----ERKQANCIDFIIFWIFWILF 54
Db 269 RNTAEENSANPNQDNARRKKRRPRGTMOAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 6
US-08-310-271-2
; Sequence 2, Application US/08310271
; Patent No. 5654139
; GENERAL INFORMATION:
; APPLICANT: Lappalainen, Jaakko
; APPLICANT: Linnoila, Markku
; APPLICANT: Goldman, David
; TITLE OF INVENTION: ALLELIC VARIATION OF THE SEROTONIN
; TITLE OF INVENTION: 5HT2C RECEPTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/310,271
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael L
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NH103.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 458 amino acids
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-08-310-271-2

Query Match      12.6%; Score 67; DB 1; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSSTLSQTELRKKRKKR-----ERKQANCIDFIIFWIFWILF 54
Db 269 RNTAEENSANPNQDNARRKKRRPRGTMOAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 7
US-09-292-071-27
; Sequence 27, Application US/09292071
; Patent No. 6107324
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derek
; TITLE OF INVENTION: No. 6107324-Endogenous, Constitutively Activated
; TITLE OF INVENTION: Human Serotonin Receptors and Small Molecule Modulators Ther
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arena Pharmaceuticals, Inc.
; STREET: 6166 Nancy Ridge Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/292,071
; FILING DATE: April 14, 1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Rosen
; REGISTRATION NUMBER: 39,822
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 564-6525
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 458 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-09-292-071-27

Query Match      12.6%; Score 67; DB 3; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSSTLSQTELRKKRKKR-----ERKQANCIDFIIFWIFWILF 54
Db 269 RNTAEENSANPNQDNARRKKRRPRGTMOAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 8
US-09-292-069A-27
; Sequence 27, Application US/09292069A
; Patent No. 6140509
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P
; APPLICANT: Chalmers, Derek T
; APPLICANT: Foster, Richard J
; APPLICANT: Glen, Robert C
; APPLICANT: Lawless, Michael S
; APPLICANT: Liaw, Chen W
```

```
/ APPLICANT: Liu, Qian
/ APPLICANT: Russo, Joseph F
/ APPLICANT: Smith, Julian R
/ APPLICANT: Thomsen, William J
/ TITLE OF INVENTION: No. 6140509-Endogenous, Constitutively Activated Human
/ TITLE OF INVENTION: Serotonin Receptors And Small Molecule Modulators
/ TITLE OF INVENTION: Thereof
/ FILE REFERENCE: AREN0033
/ CURRENT APPLICATION NUMBER: US/09/292,069A
/ CURRENT FILING DATE: 1999-04-14
/ PRIOR APPLICATION NUMBER: 60/090,783
/ PRIOR FILING DATE: 1998-06-26
/ PRIOR APPLICATION NUMBER: 60/112,909
/ PRIOR FILING DATE: 1998-12-18
/ PRIOR APPLICATION NUMBER: 60/123,000
/ PRIOR FILING DATE: 1999-03-05
/ NUMBER OF SEQ ID NOS: 33
/ SOFTWARE: Patent in Ver. 2.1
/ SEQ ID NO 27
/ LENGTH: 458
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6140509e1
/ OTHER INFORMATION: Sequence
US-09-292-069A-27

Query Match 12.6%; Score 67; DB 3; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFOANGCIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPDQNAARRKKRRPRGTWQAINNERKASKVLGIVFFVFLIMWCFFP 328

QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 9
US-09-032-742-10
/ Sequence 10, Application US/09032742
/ Patent No. 6255089
/ GENERAL INFORMATION:
/ APPLICANT: Teitler, Milt
/ APPLICANT: Herrick-Davis, Katharine
/ APPLICANT: Egan, Christina C.
/ TITLE OF INVENTION: Constitutively Activated Serotonin
/ TITLE OF INVENTION: Receptors
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Laurence Weinberger
/ STREET: 882 S. Matlack Street, Suite 103
/ STREET: P.O. Box 1663
/ CITY: West Chester
/ STATE: PA
/ COUNTRY: USA
/ ZIP: 19380-0053
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/032,742
/ FILING DATE: 27-FEB-1998
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weinberger, Laurence
/ REGISTRATION NUMBER: 27,965
/ REFERENCE/DOCKET NUMBER: 3086-4
/ TELECOMMUNICATION INFORMATION:
```

```
/ TELEPHONE: (610) 431-1703
/ TELEFAX: (610) 431-4181
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 458 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: protein
US-09-032-742-10

Query Match 12.6%; Score 67; DB 3; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFOANGCIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPDQNAARRKKRRPRGTWQAINNERKASKVLGIVFFVFLIMWCFFP 328

QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 10
US-09-767-013-27
/ Sequence 27, Application US/09767013
/ Patent No. 6420541
/ GENERAL INFORMATION:
/ APPLICANT: Behan, Dominic
/ APPLICANT: Chalmers, Derrick
/ TITLE OF INVENTION: No. 6420541-Endogenous, Constitutively Activated Human
/ TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
/ TITLE OF INVENTION: Thereof
/ FILE REFERENCE: AREN0035
/ CURRENT APPLICATION NUMBER: US/09/767,013
/ CURRENT FILING DATE: 2001-01-23
/ PRIOR APPLICATION NUMBER: 09/292,072
/ PRIOR FILING DATE: 1999-04-14
/ NUMBER OF SEQ ID NOS: 33
/ SOFTWARE: Patent in Ver. 2.1
/ SEQ ID NO 27
/ LENGTH: 458
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6420541e1 Sequence
US-09-767-013-27

Query Match 12.6%; Score 67; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFOANGCIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPDQNAARRKKRRPRGTWQAINNERKASKVLGIVFFVFLIMWCFFP 328

QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 11
US-09-341-446B-11
/ Sequence 11, Application US/09341446B
/ Patent No. 6518480
/ GENERAL INFORMATION:
/ APPLICANT: Conklin, Bruce R.
/ TITLE OF INVENTION: Selective Target Cell Activation By
/ TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
/ TITLE OF INVENTION: Superiorly By Synthetic Ligand
/ FILE REFERENCE: UCAL-049CIP
/ CURRENT APPLICATION NUMBER: US/09/341.446B
```


Query Match 12.4%; Score 66; DB 3; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;

Query Match 12.4%; Score 66; DB 4; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels


```

; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; US-09-292-071-31

Query Match 11.7%; Score 62; DB 3; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3

QY 6 RDHASLGDSFTLSQTELRKKKKK-----ERKFOANGCIDIPIFWIPIWILLF 54
Db 289 RNTAEENSANPNQDQARRKKRRPRGTMQAINNERKASKVLGIVFFLFVVMWCPFF 348
QY 55 SHHWIQESLLCPSPKVEVTCREMLTGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 25
US-09-292-069A-31
; Sequence 31, Application US/09292069A
; Patent No. 6140509
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P
; APPLICANT: Chalmers, Derek T
; APPLICANT: Foster, Richard J
; APPLICANT: Glen, Robert C
; APPLICANT: Lawless, Michael S
; APPLICANT: Liaw, Chen W
; APPLICANT: Liu, Qian
; APPLICANT: Russo, Joseph F
; APPLICANT: Smith, Julian R
; APPLICANT: Thomsen, William J
; TITLE OF INVENTION: No. 6140509-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors And Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0033
; CURRENT APPLICATION NUMBER: US/09/292,069A
; CURRENT FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/090,783
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/112,909
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/123,000
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 31
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6140509el
; US-09-292-069A-31

Query Match 11.7%; Score 62; DB 3; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3

QY 6 RDHASLGDSFTLSQTELRKKKKK-----ERKFOANGCIDIPIFWIPIWILLF 54
Db 289 RNTAEENSANPNQDQARRKKRRPRGTMQAINNERKASKVLGIVFFLFVVMWCPFF 348
QY 55 SHHWIQESLLCPSPKVEVTCREMLTGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 26
US-09-767-013-31
; Sequence 31, Application US/09767013
; Patent No. 6420541
; GENERAL INFORMATION:

```

```
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derrick
; TITLE OF INVENTION: No. 6420541-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thero
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/767,013
; CURRENT FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6420541el Sequence
US-09-767-013-31

Query Match 11.7%; Score 62; DB 4; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKXKXKRR-----ERKQFQNCGIDFIIFWIFWILLF 54
Db 289 RNTAEENSANPDQDQARRKKRRPRGTMOAINNRKASKVLGIVFVVMWCPFF 348
QY 55 SHHWIQESLLCPPSPKEVTCREMLTGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 27
US-09-292-072-31
; Sequence 31, Application US/09292072
; Patent No. 6541209
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derrick
; TITLE OF INVENTION: No. 6541209-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thero
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/292,072
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6541209el Sequence
US-09-292-072-31

Query Match 11.7%; Score 62; DB 4; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKXKXKRR-----ERKQFQNCGIDFIIFWIFWILLF 54
Db 289 RNTAEENSANPDQDQARRKKRRPRGTMOAINNRKASKVLGIVFVVMWCPFF 348
QY 55 SHHWIQESLLCPPSPKEVTCREMLTGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 28
US-08-334-773A-6
; Sequence 6, Application US/08334773A
; Patent No. 5629176
```

```
; GENERAL INFORMATION:
; APPLICANT: No. 5629176ris, Fanny
; APPLICANT: No. 5629176ris, Kjeld
; APPLICANT: Bjorn, Soren Erik
; APPLICANT: Petersen, Lars Christian
; APPLICANT: Olsen, Ole Hvilsted
; TITLE OF INVENTION: A Human Kunitz-Type Protease Inhibitor
; TITLE OF INVENTION: Variant
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5629176o No. 5629176disk of No. 5629176th America, Inc.
; STREET: 405 Lexington Avenue, Suite 6400
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10174-6400
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/334,773A
; FILING DATE: 04-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Agiris, Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3695.210-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 867 0123
; TELEFAX: 212 878 9655
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 111 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-334-773A-6

Query Match 11.6%; Score 61.5; DB 1; Length 111;
Best Local Similarity 23.0%; Pred. No. 7.6;
Matches 20; Conservative 12; Mismatches 28; Indels 27; Gaps 4;

QY 2 VEVSRDASLGDSETLSQTELKXKXKRR-----KFOANCIDFIIFWIFWILLF 55
Db 26 VEIPEESLIATNTILANVAM--AERLEKRETDICKPKDEGTCR-DFILKWTY----- 76
QY 56 HHWIQESLLCPPSPKEVTCREMLTGCC 82
Db 77 -----DPTKSCARFWYGGC 91

RESULT 29
US-08-428-243-9
; Sequence 9, Application US/08428243
; Patent No. 5914236
; GENERAL INFORMATION:
; APPLICANT: The United States of America, as represented by
; APPLICANT: the Secretary of Health and Human Services
; TITLE OF INVENTION: THE PCT-65 SEROTONIN RECEPTOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
; STREET: 620 NEWPORT CENTER DRIVE 16TH FLOOR
; CITY: NEWPORT BEACH
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

```

; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,243
; FILING DATE: 18-SEP-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10301
; FILING DATE: 27-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: NIH046.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-428-243-9

Query Match      11.6%; Score 61.5; DB 2; Length 365;
Best Local Similarity 29.4%; Pred. No. 31;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTQLRKRRKK---KRRKFOANGCIGDIFIFWIFWILLFHHWIOESLLCPSPK 70
Db 223 ECANLSRLKHKRNISIFKREKQAATTLGIIVGFTVCWLPFF-----LLS----- 269

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 270 --TARPFICGTSCSCIPLWVERTFL 292

; RESULT 30
; PCT-US93-10301-9
; Sequence 9, Application PC/TUS9310301
; GENERAL INFORMATION:
; APPLICANT: The United States of America, as represented by
; APPLICANT: the Secretary of Health and Human Services
; TITLE OF INVENTION: THE PCT-65 SEROTONIN RECEPTOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
; STREET: 620 NEWPORT CENTER DRIVE 16TH FLOOR
; CITY: NEWPORT BEACH
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: PCT/US93/10301
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: NIH046.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

```

```

PCT-US93-10301-9
Query Match      11.6%; Score 61.5; DB 5; Length 365;
Best Local Similarity 29.4%; Pred. No. 31;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTQLRKRRKK---KRRKFOANGCIGDIFIFWIFWILLFHHWIOESLLCPSPK 70
Db 223 ECANLSRLKHKRNISIFKREKQAATTLGIIVGFTVCWLPFF-----LLS----- 269

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 270 --TARPFICGTSCSCIPLWVERTFL 292

; RESULT 31
; US-07-996-772A-12
; Sequence 12, Application US/07996772A
; Patent No. 5472866
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa A.
; APPLICANT: Weinshank, Richard L.
; TITLE OF INVENTION: DNA ENCODING 5-HT4A SEROTONIN
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 ROCKEFELLER PLAZA
; CITY: NEW YORK
; STATE: NEW YORK
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/996,772A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 42667/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 422 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: HP78
; US-07-996-772A-12

Query Match      11.6%; Score 61.5; DB 1; Length 422;
Best Local Similarity 29.4%; Pred. No. 36;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTQLRKRRKK---KRRKFOANGCIGDIFIFWIFWILLFHHWIOESLLCPSPK 70
Db 278 ECANLSRLKHKRNISIFKREKQAATTLGIIVGFTVCWLPFF-----LLS----- 324

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 325 --TARPFICGTSCSCIPLWVERTFL 347

```

RESULT 35

```
US-09-328-314-16
; Sequence 16, Application US/09328314
; Patent No. 6331401
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard L.
; TITLE OF INVENTION: DNA Encoding 5-HT4 Serotonin Receptors And Uses Thereof
; FILE REFERENCE: 42667-AZ-PCT-US
; CURRENT APPLICATION NUMBER: US/09/328,314
; CURRENT FILING DATE: 1998-04-03
; EARLIER APPLICATION NUMBER: 08/446,822
; EARLIER FILING DATE: 1995-07-31
; EARLIER APPLICATION NUMBER: PCT/US93/12586
; EARLIER FILING DATE: 1993-12-22
; EARLIER APPLICATION NUMBER: 07/996,772
; EARLIER FILING DATE: 1992-12-24
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 16
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-328-314-16

Query Match 11.6%; Score 61.5; DB 4; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 EYLSOTELKRRKK-----KRRKFOANGCIDFIIFWIFWILLFHHWQESLLCPPSPK 70
DB 301 ECANLSRLKHKRNISIFKREKQAATTGLIIVGAFTVCWLPPF-----LLS----- 347
QY 71 EYTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 36
US-09-450-790A-2
; Sequence 2, Application US/09450790A
; Patent No. 6376243
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan A
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard L.
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN RECEPTOR (5HT4B) AND USES THEREOF
; FILE REFERENCE: 1785/419081A
; CURRENT APPLICATION NUMBER: US/09/450,790A
; CURRENT FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: 08/281,526
; PRIOR FILING DATE: 1994-07-27
; PRIOR APPLICATION NUMBER: 07/971,690
; PRIOR FILING DATE: 1992-11-03
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-450-790A-2

Query Match 11.6%; Score 61.5; DB 4; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 EYLSOTELKRRKK-----KRRKFOANGCIDFIIFWIFWILLFHHWQESLLCPPSPK 70
DB 301 ECANLSRLKHKRNISIFKREKQAATTGLIIVGAFTVCWLPPF-----LLS----- 347
QY 71 EYTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 37
US-09-332-837-2
; Sequence 2, Application US/09332837
; Patent No. 6432655
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard
; TITLE OF INVENTION: Methods of Obtaining Pharmaceutical Compositions
; FILE REFERENCE: 41908-AA-PCT-US
; CURRENT APPLICATION NUMBER: US/09/332,837
; CURRENT FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-332-837-2

Query Match 11.6%; Score 61.5; DB 4; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 EYLSOTELKRRKK-----KRRKFOANGCIDFIIFWIFWILLFHHWQESLLCPPSPK 70
DB 301 ECANLSRLKHKRNISIFKREKQAATTGLIIVGAFTVCWLPPF-----LLS----- 347
QY 71 EYTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 38
PCT-US93-10553-2
; Sequence 2, Application PC/TUS9310553
; GENERAL INFORMATION:
; APPLICANT: Bard A. Jonathan
; APPLICANT: Branchek A. Theresa
; APPLICANT: Weinshank L. Richard
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10553
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41908-A-PCT/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 315-1931
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US93-10553-2

Query Match      11.6%; Score 61.5; DB 5; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 EILSQTELKKRK-----KRRKFOANGCIDPIIFWIFWILLFSHHWTQESLLCPSPK 70
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 301 ECANLSRLKHKRNISIFKREKAAATLGIIVGATVCLPFF-----LLS----- 347
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 71 EYTCREMLTG---GCLP-WATRSHL 91
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 348 --TARFFICGTSCSCIPLWVERTFL 370
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 39
US-08-924-629C-71
; Sequence 71, Application US/08924629C
; Patent No. 6403082
; GENERAL INFORMATION:
; APPLICANT: Stiles, Michael E.
; APPLICANT: Vederas, John C.
; APPLICANT: van Belkum, Marius J.
; APPLICANT: Worobo, Randy W.
; APPLICANT: Worobo, Rodney J.
; APPLICANT: Greer, G. Gordon
; APPLICANT: McMullen, Lynn M.
; APPLICANT: Leisner, Jorgen J.
; APPLICANT: Poon, Alison
; APPLICANT: Franz, Charles M.A.P.
; TITLE OF INVENTION: No. 6403082eBacteriocins, Transport and Vector System and Method
; FILE REFERENCE: 660.0005US
; CURRENT APPLICATION NUMBER: US/08/924,629C
; CURRENT FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/026,257
; PRIOR FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 71
; LENGTH: 62
; TYPE: PRT
; ORGANISM: Pediocin PA1
US-08-924-629C-71

Query Match      11.5%; Score 61; DB 4; Length 62;
Best Local Similarity 40.7%; Pred. No. 4,4;
Matches 11; Conservative 3; Mismatches 11; Indels 2; Gaps 1;

QY 70 KEVTCREMLTGGCLPWATRSHLGRKRC 96
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 38 KATTC--IINNGAMAWATGGHQGNHKC 62
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 40
US-09-167-206-4
; Sequence 4, Application US/09167206A
; Patent No. 6476193
; GENERAL INFORMATION:
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Schulz, Vincent P.
; APPLICANT: Yang, MeiJa
; TITLE OF INVENTION: NIK1 PROTEIN AND NIK1 PROTEIN COMPLEXES
; FILE REFERENCE: 15966-521 NIK1 protein complexes
; CURRENT APPLICATION NUMBER: US/09/167,206A
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 641
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens
US-09-167-206-4

Query Match      11.5%; Score 61; DB 4; Length 641;
Best Local Similarity 22.7%; Pred. No. 67;
Matches 20; Conservative 4; Mismatches 24; Indels 40; Gaps 4;

QY 33 RKFOANGCIDPIIFWIFWILLP-----SHHWIQS-----LCCPP-- 67
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 525 RKFTTESDV-----WSFGVLWEIFTYKGQWYQLSNTAIDCITQGRELERPRACPP 579
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 68 -----SPKEVTCREMLTGGCLPW 85
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 580 YAIMRGCWOREPSNATASRMCTPGCKPW 607
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Search completed: October 28, 2003, 16:57:24
Job time : 26.8938 secs
```

1

QY 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97
Db 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97

RESULT 2

US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

Query Match 100.0%; Score 532; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 2.8e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 60
Db 1 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 60

QY 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97
Db 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97

RESULT 3

US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

Query Match 100.0%; Score 532; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 2.8e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 60
Db 1 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 60

QY 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97

Db 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97

RESULT 4

US-10-144-649A-742
; Sequence 742, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742

Query Match 100.0%; Score 532; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 3.3e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 60
Db 18 EVEVSRDHASLGDSETLSQTELKRRKKRKFQANGIDFIIFWIFWILLFHHWIIQ 77

QY 61 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 97
Db 78 ESLLCPPSPKVTCTREMLTGGCLPWATRSHLGRKCS 114

RESULT 5

US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Eliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-587

Query Match 18.4%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

[illegible]

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; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,928
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,920
; PRIOR FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 465
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 400
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (46)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (52)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (110)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-948-783-400

```

```

Query Match      15.1%; Score 80.5; DB 11; Length 119;
Best Local Similarity 27.4%; Pred. No. 0.35;
Matches 29; Conservative 9; Mismatches 21; Indels 47; Gaps 5;

QY      1  EVEVSRDHASL-----GDSETLSQTELRRKKRKRKFOANCIGDFTIFWTFWILLFSH 56
      ||| |||||
Db      33  EVAVSRDHTIALQXGGGSKLSQ-----KKERKYLNA--TFLNFPF----- 72

QY      57  HWIQESLLCPSPKVEVTCREMLTGCGLPWA-----TRSHLGRRC 96
      ||| : ||| :
Db      73  -----CRDKVLCCPGWSHVGLKOSHHGLGRKC 101

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RESULT 10
US-10-106-698-6236
; Sequence 6236, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6236
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6236

```

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Query Match      13.4%, Score 71.5, DB 15; Length 163;
Best Local Similarity 38.6%, Pred. No. 4.6;
Matches 22; Conservative 5; Mismatches 9; Indels 21; Gaps 4;

QY 10 SLGD-BETTSQTELKKEKKKKERKQFQANGDFFIIFWIFWILFSSHWHIQSLLC 65
      |||||:|||||
      |||||:|||||
      |||||:|||||
      |||||:|||||
Db 11 SLGDKBETTSF-----KKKKKKKK-----WIAW--LYSGHMQAQFCC 47

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RESULT 11
US-09-764-877-1089
; Sequence 1089, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 1089
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-877-1089

Query Match 13.1%; Score 69.5; DB 10; Length 66;
Best Local Similarity 50.0%; Pred. No. 2.9;
Matches 19; Conservative 5; Mismatches 7; Indels 7; Gaps 2;

Qy 1 EVEVSRDHASL-----GDSETLSQTELKXKXKKRERK 34
      |||||:|||||:|||||:|||||:|||||:
Db 5 EAAVSCDHAGVLQPGQHSLSQ---NKKERKEK 39

RESULT 12
US-10-074-511-107
; Sequence 107, Application US/10074511
; Publication No. US20030176672A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Hu, Ping
; APPLICANT: Recipon, Hervé
; APPLICANT: Karra, Kalpana
; APPLICANT: Cafferkey, Robert
; APPLICANT: Liu, Chenghua
; APPLICANT: Sun, Yongming
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and
; FILE REFERENCE: DEX-0314
; CURRENT APPLICATION NUMBER: US/10/074,511
; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/268,289
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 107
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-074-511-107

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Query Match      12.9%; Score 68.5; DB 12; Length 116;
Best Local Similarity 28.6%; Pred. No. 6.7;
Matches 22; Conservative 8; Mismatches 18; Indels 29; Gaps 3;

QY   17 LQTELRKKRKRRKFKQANGIDFIITWIPWILLFSHH-----WIQE 61
    ||| :|||:||| |::| :|||
Db   40 LSPQNKKKKKKKNPPF-----PFFFLFFFFFAHNKLGERLWMGKIWIQE 92
    ||| :|||:||| |::| :|||

QY   62 SULC-----PSPAKE 71
    |:| ::|||
Db   93 SSILALALGNFPSTPE 109

```

RESULT 13
US-09-903-396A-2
; Sequence 2, Application US/09903396A

```
; Publication No. US20020184657A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
; TITLE OF INVENTION: GLUCOCORTICOID-INDUCED RECEPTOR GENE DISRUPTIONS
; FILE REFERENCE: R-359
; CURRENT APPLICATION NUMBER: US/09/903,396A
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/217,179
; PRIOR FILING DATE: 2000-07-10
; PRIOR APPLICATION NUMBER: US 60/252,299
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/262,205
; PRIOR FILING DATE: 2001-01-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-903-396A-2

Query Match 12.8%; Score 68; DB 10; Length 423;
Best Local Similarity 22.8%; Pred. No. 31;
Matches 29; Conservative 11; Mismatches 41; Indels 46; Gaps 5;

Qy 10 SLGSETLSQTELKRRKKRKFQANCIDFIIFIWILL-----FWILL----- 53
Db 271 TIGDVTTEQYLALR---RKKKTTRQMLVLVVLVFWLFCWFFPLNCYVLLSSKRAIHTNNALY 327
Qy 54 FSHHWIQSSLCLC-----PPSPKEVTCREMLTGGCLPWAT 87
Db 328 FAFWFAMSSCTYNPFYICWLNENFRVELKALLSMQCQPPKQEDRLPSPVPSFRVAVTE 387
Qy 88 RSHLGRR 94
Db 388 KSH-GRR 393

US-10-168-262-3
; Publication No. US/10168262
; GENERAL INFORMATION:
; APPLICANT: Ahmad, Sultan
; APPLICANT: Lembo, Paola
; APPLICANT: Walker, Philippe
; TITLE OF INVENTION: NOVEL ASSAYS
; FILE REFERENCE: 1103326-0695
; CURRENT APPLICATION NUMBER: US/10/168,262
; CURRENT FILING DATE: 2002-08-17
; PRIOR APPLICATION NUMBER: PCT/SE00/02563
; PRIOR FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: SE 9904660-9
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 3
; LENGTH: 423
; TYPE: PRT
; ORGANISM: mouse
US-10-168-262-3

Query Match 12.8%; Score 68; DB 16; Length 423;
Best Local Similarity 22.8%; Pred. No. 31;
Matches 29; Conservative 11; Mismatches 41; Indels 46; Gaps 5;

Qy 10 SLGSETLSQTELKRRKKRKFQANCIDFIIFIWILL-----FWILL----- 53
Db 271 TIGDVTTEQYLALR---RKKKTTRQMLVLVVLVFWLFCWFFPLNCYVLLSSKRAIHTNNALY 327
Qy 54 FSHHWIQSSLCLC-----PPSPKEVTCREMLTGGCLPWAT 87
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Db 328 FAFWFAMSSCTYNPFYICWLNENFRVELKALLSMQCQPPKQEDRLPSPVPSFRVAVTE 387
Qy 88 RSHLGRR 94
Db 388 KSH-GRR 393

RESULT 15
US-10-176-255-29
; Sequence 29, Application US/10176255
; Publication No. US20030153004A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Russo, Joseph F.
; APPLICANT: Thomsen, William J.
; TITLE OF INVENTION: No. US20030153004A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Small Molecule Modulators Thereof
; FILE REFERENCE: AREN-0328
; CURRENT APPLICATION NUMBER: US/10/176,255
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: 09/060,188
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 09/767,013
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-176-255-29

Query Match 12.8%; Score 68; DB 12; Length 458;
Best Local Similarity 27.4%; Pred. No. 33;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;

Qy 6 RDHASLGDSETLSQTELKRRKKR-----ERKQANCIDFIIFIWILLF 54
Db 269 RNTAEBSANPNQDQNRARRKKRRPRGTMQAINNRKAKKVLGIVFFVFLIMWCDF 328
Qy 55 SHHWIQSSLCLCPSPKKVTCREML 78
Db 329 ITNILL--SVLC-----EKSCNQKL 345

RESULT 16
US-10-251-385-230
; Sequence 230, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Protein-Coupled
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 230
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-10-251-385-230

Query Match 12.6%; Score 68; DB 15; Length 458;
Best Local Similarity 27.4%; Pred. No. 33;
Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;
QY 6 RDHASLGDSYLSQTELRKKKKR-----ERKFOANGCIDFIIFWIFWILLF 54
DB 269 RNTAEENSANPDQNAARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCFF 328
QY 55 SHHWIOESLLCPPSPKVTCREML 78
DB 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 17

US-10-176-255-27
; Sequence 27, Application US/10176255
; Publication No. US20030153004A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Russo, Joseph P.
; APPLICANT: Thomsen, William J.
; TITLE OF INVENTION: No. US20030153004A1-Endogenous, Constitutively Activated Human Se
; FILE REFERENCE: Small Molecule Modulators Thereof
; CURRENT APPLICATION NUMBER: US/10/176,255
; CURRENT FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: 09/060,188
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 09/767,013
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 27
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-176-255-27

Query Match 12.6%; Score 67; DB 12; Length 458;
Best Local Similarity 27.4%; Pred. No. 43;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSYLSQTELRKKKKR-----ERKFOANGCIDFIIFWIFWILLF 54
DB 269 RNTAEENSANPDQNAARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCFF 328
QY 55 SHHWIOESLLCPPSPKVTCREML 78
DB 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 18

US-10-318-661-11
; Sequence 11, Application US/10318661
; Publication No. US20030167476A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Bruce R.
; TITLE OF INVENTION: Selective Target Cell Activation By
; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
; TITLE OF INVENTION: Superiorly By Synthetic Ligand
; FILE REFERENCE: UCAL-049CIP2
; CURRENT APPLICATION NUMBER: US/10/318,661
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 09/341,446
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US97/05334
; PRIOR FILING DATE: 1997-03-25

; PRIOR APPLICATION NUMBER: US 08/622,348
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-318-661-11

Query Match 12.6%; Score 67; DB 12; Length 458;
Best Local Similarity 27.4%; Pred. No. 43;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSYLSQTELRKKKKR-----ERKFOANGCIDFIIFWIFWILLF 54
DB 269 RNTAEENSANPDQNAARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCFF 328
QY 55 SHHWIOESLLCPPSPKVTCREML 78
DB 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 19

US-10-251-385-126
; Sequence 126, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 126
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-126

Query Match 12.6%; Score 67; DB 15; Length 458;
Best Local Similarity 27.4%; Pred. No. 43;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSYLSQTELRKKKKR-----ERKFOANGCIDFIIFWIFWILLF 54
DB 269 RNTAEENSANPDQNAARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCFF 328
QY 55 SHHWIOESLLCPPSPKVTCREML 78
DB 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 20

US-10-225-567A-16
; Sequence 16, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPT
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19

```
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-16

Query Match      12.6%; Score 67; DB 15; Length 458;
Best Local Similarity 27.4%; Pred. No. 43;
Matches 23; Conservative 14; Mismatches 29; Indels 19; Gaps 3;

Qy 6 RDHSLGDSLTQTELKRRKKR-----ERKFOANGCIDPIPIWIFWILF 54
Db 269 RNTAEENSANPNQNAARRKKRRPRGTMOAINNERKASKVLGIVFFVFLIMWCPPF 328

Qy 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNLL-SVLC-----EKSCNQKL 345

RESULT 21
US-09-862-027-40
; Sequence 40, Application US/09862027
; Patent No. US20020142428A1
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. US20020142428A1el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 1601
; TYPE: PRT
; ORGANISM: C. elegans
US-09-862-027-40

Query Match      12.6%; Score 67; DB 10; Length 1601;
Best Local Similarity 33.3%; Pred. No. 1.6e+02;
Matches 14; Conservative 9; Mismatches 19; Indels 0; Gaps 0;

Qy 2 VEVSRDHASLGDSLTQTELKRRKKRKKRKFQANGCIDF 43
Db 367 VEIKNRDADLNLNVEIQMLRVYDEKKRKQYRFKENEGLOF 408

RESULT 22
US-09-764-891-4290
; Sequence 4290, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4290
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
```

```
; NAME/KEY: SITE
; LOCATION: (43)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (45)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4290
```

```
Query Match      12.5%; Score 66.5; DB 11; Length 64;
Best Local Similarity 40.0%; Pred. No. 5.9;
Matches 18; Conservative 8; Mismatches 12; Indels 7; Gaps 2;

Qy 1 EVEVSRDHASL-----GSETLSQTELKRRKKRKKRKFQANGCI 41
Db 12 EVAASHDHATALQTRQNETLSQ---KKKKKKKKKKXKXKXSLIHGL 53
```

```
RESULT 23
US-09-838-955-3
; Sequence 3, Application US/09838955
; Patent No. US20020056152A1
; GENERAL INFORMATION:
; APPLICANT: Kelly, James D
; APPLICANT: Melotto, Maeli
; TITLE OF INVENTION: DNA Encoding For A Disease Resistance Gene From Common Bean and Methods of Use
; TITLE OF INVENTION: Bean and Methods of Use
; FILE REFERENCE: 6550-000044
; CURRENT APPLICATION NUMBER: US/09/838,955
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Phaseolus vulgaris
US-09-838-955-3
```

```
Query Match      12.4%; Score 66; DB 9; Length 369;
Best Local Similarity 24.4%; Pred. No. 43;
Matches 21; Conservative 15; Mismatches 40; Indels 10; Gaps 3;

Qy 8 HASLGDSETLSQTELKRRK---ERKKRKKRKFQANGCIDFIWIFWILLFS---HH-- 57
Db 167 HCLIGPGTVLLDDQMEPKLAGFDASEQGRFMSKQKQINIVFWIFVLLYELTHCHDFL 226
Qy 58 WIOESLLCPPSPKEVTCREMLTGGCL 83
Db 227 WIKLSLLFVIGRCGYTATDYLMDGII 252
```

```
RESULT 24
US-10-176-255-33
; Sequence 33, Application US/10176255
; Publication No. US20030153004A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Russo, Joseph F.
; APPLICANT: Thomsen, William J.
; TITLE OF INVENTION: No. US20030153004A1-Endogenous, Constitutively Activated Human Small Molecule Modulators Thereof
; FILE REFERENCE: AREN-0328
; CURRENT APPLICATION NUMBER: US/10/176,255
; CURRENT FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: 09/060,188
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 09/767,013
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
```



```
; SEQ ID NO 33
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-176-255-33

Query Match      12.4%; Score 66; DB 12; Length 478;
Best Local Similarity 25.8%; Pred. No. 57;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;

QY      6 RDHASLGDSETLSTQELRKKKR-----ERKQANCGIDFIIFWIFWILLP 54
Db      289 RNTAENSANPDQDQARRKKRPRGTMOAINNERKAKKVLGVFFVFLIMWCPFF 348
QY      55 SHHWIQESLLCPSPKVEVTCREMLTGCL 83
Db      349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 25
US-10-157-031-291
; Sequence 291, Application US/10157031
; Publication No. US20030108890A1
; GENERAL INFORMATION:
; APPLICANT: Baranova, A. V.
; APPLICANT: Yankovsky, N. K.
; APPLICANT: Kozlov, A. P.
; APPLICANT: Lobashev, A. V.
; APPLICANT: Krukovskaya, L. L.
; TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
; FILE REFERENCE: 2760-103
; CURRENT APPLICATION NUMBER: US/10/157,031
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 415
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 291
; LENGTH: 673
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(673)
; OTHER INFORMATION: X = unknown
US-10-157-031-291

Query Match      12.4%; Score 66; DB 15; Length 673;
Best Local Similarity 21.3%; Pred. No. 83;
Matches 19; Conservative 17; Mismatches 31; Indels 22; Gaps 3;

QY      9 ASLGDSETLSTQELRKKKRERKQANCGIDFIIFWIFWILLFSSHWWIQESLLCPSP 68
Db      310 AGVSEGGPISTKTQKKKKKPNQKXXFC-----FWGFFFFFCFVFVEIGFCSDT 363
QY      69 PKVEVTCREMLTGCLPWATRSHLGRKCS 97
Db      364 PAGV-----QWQVLAH-----CS 376

RESULT 26
US-10-369-294-19
; Sequence 19, Application US/10369294
; Publication No. US20030162170A1
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice H.
; APPLICANT: Gao, Feng
; APPLICANT: Marx, Preston A.
; APPLICANT: Shaw, George M.
; APPLICANT: Smith, Stephen M.
; APPLICANT: Georges-Courbot, Marie Claude
; APPLICANT: Lu, Chang Yong
; TITLE OF INVENTION: Complete Genome Sequences of a Simian
```

```
; TITLE OF INVENTION: Immunodeficiency Virus from a Red-Capped
; FILE REFERENCE: D6286D
; CURRENT APPLICATION NUMBER: US/10/369,294
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: US 09/206,551
; PRIOR FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 58
; SEQ ID NO 19
; LENGTH: 852
; TYPE: PRT
; ORGANISM: Simian immunodeficiency virus
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of homologous region of
; OTHER INFORMATION: B_EHO lentiviral env protein
US-10-369-294-19

Query Match      12.2%; Score 65; DB 12; Length 852;
Best Local Similarity 19.2%; Pred. No. 1.4e+02;
Matches 19; Conservative 20; Mismatches 38; Indels 22; Gaps 3;

QY      3 EYSRDHASLGDSETLSTQELRKKKRKKRKFQ-ANCGIDFI-----IFWIFWI----- 51
Db      351 ETIKNHPRYSYGTNISQIRLAHAKSSDPEVYMTNCRGFLYCNMTFFLNWVENRTGL 410
QY      52 -----LLFSHHWIQESLLCPSPKVEVTCREMLT 79
Db      411 KENVASCHIRQIVNTWHKIGRNVILPPREGELSCNSTVT 449

RESULT 27
US-09-866-050A-673
; Sequence 673, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Iorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011C4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 673
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-673

Query Match      12.1%; Score 64.5; DB 11; Length 173;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 14; Conservative 7; Mismatches 2; Indels 5; Gaps 1;

QY      7 DHASLGDSETLSTQELRKKKRKKRERK 34
Db      30 DH-----SEPEARTELOKKKKKKRERK 52

RESULT 28
US-09-801-368-24
; Sequence 24, Application US/09801368
; Patent No. US20020128250A1
; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Cali, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
```



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; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC009930.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.94
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1
; OTHER INFORMATION: EST HUMAN HIT: RA679230.1, EVALUAE 4.00e-05
; OTHER INFORMATION: SWISSPROT HIT: P17886, EVALUAE 1.10e+00
US-09-864-761-37546
```

Query Match 11.6%; Score 61.5; DB 9; Length 67;

Best Local Similarity 36.4%; Pred. No. 22; Matches 16; Conservative 9; Mismatches 16; Indels 3; Gaps 1;

```
QY 1 EVEVSRDHSAGDSETLSQTELRKKRKKRKKRKFQANGCIDFI 44
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 9 EIKTSPDKHLRD---ITDTRLFLQERKKRPQNTQENRGAEWI 49
```

RESULT 34

```
US-09-877-843-41
; Sequence 41, Application US/09877843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir
; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen
; TITLE OF INVENTION: No. US20030073622A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-031
; CURRENT APPLICATION NUMBER: US/09/877,843
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/209,927
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,091
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,928
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,208
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/210,425
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/214,150
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/214,023
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/215,005
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/270,060
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/271,623
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: 60/278,915
; PRIOR FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 97
```

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-843-41
```

Query Match 11.6%; Score 61.5; DB 11; Length 432;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

```
QY 15 ETLQSOTELRKKRKK-----KRRKRFQANGCIDFIIFWIFWILLFSHHWIOESLLCPPSPK 70
      : : : ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 301 ECANLSRLKKRKNISIFKREQKAATTLGIIVGAFTVCWLPPF-----LLS----- 347
```

QY 71 EVTCREMLTG---GCLP-WATRSHL 91

DB 348 --TARPFICGTSCSICPLWVETFL 370

RESULT 35

```
US-09-989-861-16
; Sequence 16, Application US/09989861
; Patent No. US20020081661A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinsbank, Richard L.
; TITLE OF INVENTION: DNA Encoding 5-HT4 Serotonin Receptors And Uses
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 42667-AZ-PCT-US
; CURRENT APPLICATION NUMBER: US/09/989,861
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/328,314
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US93/12586
; PRIOR FILING DATE: EARLIER FILING DATE: 1993-12-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 07/996,772
; PRIOR FILING DATE: EARLIER FILING DATE: 1992-12-24
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-989-861-16
```

Query Match 11.6%; Score 61.5; DB 9; Length 445;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

```
QY 15 ETLQSOTELRKKRKK-----KRRKRFQANGCIDFIIFWIFWILLFSHHWIOESLLCPPSPK 70
      : : : ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 301 ECANLSRLKKRKNISIFKREQKAATTLGIIVGAFTVCWLPPF-----LLS----- 347
```

QY 71 EVTCREMLTG---GCLP-WATRSHL 91

DB 348 --TARPFICGTSCSICPLWVETFL 370

RESULT 36

```
US-09-877-843-39
; Sequence 39, Application US/09877843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir
```

```

; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen
; TITLE OF INVENTION: No. US20030073622A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-031
; CURRENT APPLICATION NUMBER: US/09/877,843
; CURRENT FILING DATE: 2001-06-07
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,927
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,091
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,928
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,208
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/210,425
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/214,150
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/214,023
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/215,005
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/270,060
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/271,623
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/278,915
; PRIOR FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-843-39

Query Match
Best Local Similarity 11.6%; Score 61.5; DB 11; Length 445;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTELRKKERK---KREKFOANGCIDFIIFWIFWILLRSHHWIQESLLCPSPK 70
DB 301 ECANLSRLKKERKNISIFKREQKAATLGIIVGFTVCNLPFF-----LLS----- 347

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSICPLWVERTL 370

RESULT 37
US-10-118-804-2
; Sequence 2, Application US/10118804
; Publication No. US2003016066A1
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinschank, Richard
; TITLE OF INVENTION: Methods of Obtaining Pharmaceutical Compositions
; FILE REFERENCE: 41908-AA-PCT-US
; CURRENT APPLICATION NUMBER: US/10/118,804
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: US/09/332,837
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 445

```

```

; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-118-804-2

Query Match
Best Local Similarity 11.6%; Score 61.5; DB 12; Length 445;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTELRKKERK---KREKFOANGCIDFIIFWIFWILLRSHHWIQESLLCPSPK 70
DB 301 ECANLSRLKKERKNISIFKREQKAATLGIIVGFTVCNLPFF-----LLS----- 347

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSICPLWVERTL 370

RESULT 38
US-10-225-567A-22
; Sequence 22, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenma C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-22

Query Match
Best Local Similarity 11.6%; Score 61.5; DB 15; Length 445;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTELRKKERK---KREKFOANGCIDFIIFWIFWILLRSHHWIQESLLCPSPK 70
DB 301 ECANLSRLKKERKNISIFKREQKAATLGIIVGFTVCNLPFF-----LLS----- 347

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARPFICGTSCSICPLWVERTL 370

RESULT 39
US-09-877-843-40
; Sequence 40, Application US/09877843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir
; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen

```

;; TITLE OF INVENTION: No. US20030073622A1el Proteins and Nucleic Acids Encoding Same
;; FILE REFERENCE: 21402-031
;; CURRENT APPLICATION NUMBER: US/09/877,843
;; CURRENT FILING DATE: 2001-06-07
;; PRIOR APPLICATION NUMBER: 60/209,927
;; PRIOR FILING DATE: 2000-06-07
;; PRIOR APPLICATION NUMBER: 60/210,091
;; PRIOR FILING DATE: 2000-06-07
;; PRIOR APPLICATION NUMBER: 60/209,928
;; PRIOR FILING DATE: 2000-06-07
;; PRIOR APPLICATION NUMBER: 60/210,208
;; PRIOR FILING DATE: 2000-06-08
;; PRIOR APPLICATION NUMBER: 60/210,425
;; PRIOR FILING DATE: 2000-06-08
;; PRIOR APPLICATION NUMBER: 60/214,150
;; PRIOR FILING DATE: 2000-06-26
;; PRIOR APPLICATION NUMBER: 60/214,023
;; PRIOR FILING DATE: 2000-06-26
;; PRIOR APPLICATION NUMBER: 60/215,005
;; PRIOR FILING DATE: 2000-06-29
;; PRIOR APPLICATION NUMBER: 60/270,060
;; PRIOR FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 60/271,623
;; PRIOR FILING DATE: 2001-02-26
;; PRIOR APPLICATION NUMBER: 60/278,915
;; PRIOR FILING DATE: 2001-03-26
;; NUMBER OF SEQ ID NOS: 97
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 40
;; LENGTH: 479
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-877-843-40

Query Match 11.6%; Score 61.5; DB 11; Length 479;
Best Local Similarity 29.4%; Pred. No. 1.8e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSTELRKXKXK---KREKRFQANCIDFIWIFWILLFHHWIOESILCPPSPK 70
DB 301 ECANLSRLKHKNISIFKREQKAATLGIIVGAFTVCWLPPF-----LLS----- 347

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
DB 348 --TARFICGTSCSCIPLWVERTL 370

RESULT 40
US-10-190-435-149
;; Sequence 149, Application US/10190435
;; Publication No. US20030143248A1
;; GENERAL INFORMATION:
;; APPLICANT: ZUR MEGEDE, Jan
;; APPLICANT: BARNETT, Susan W.
;; APPLICANT: LIAN, Ying
;; APPLICANT: ENGELBRECHT, Susan
;; APPLICANT: VAN RENSBURG, Estrelita J.
;; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
;; TITLE OF INVENTION: POLYPEPTIDES, POLYPEPTIDES AND USES THEREOF
;; FILE REFERENCE: PP18133.003 / 2302-18133
;; CURRENT APPLICATION NUMBER: US/10/190,435
;; CURRENT FILING DATE: 2002-12-30
;; NUMBER OF SEQ ID NOS: 319
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 149
;; LENGTH: 851
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: ETH2220
US-10-190-435-149

Query Match 11.6%; Score 61.5; DB 12; Length 851;

Best Local Similarity 32.0%; Pred. No. 3.3e+02;
Matches 16; Conservative 8; Mismatches 21; Indels 5; Gaps 1;

QY 48 IFW-----ILLFHHWIOESILCPPSPKVCREMLTGGCLPWAATRSHLG 92
DB 743 IFWDDLRLSLCLFSYHRLDLILIAARTVELLGRSLKGLQRGWETLKYIG 792

Search completed: October 28, 2003, 17:09:27
Job time : 80.115 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 17:09:35 ; Search time 35.1947 Seconds
(without alignments)
116.613 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 97

Sequence: 1 EVFYSRDRHSLGDSFETLSQT.....LTGGCLPWATRSHLGRKCS 97

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 328717 seqs, 42310858 residues

Word size : 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Issued Patents AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	7	7.2	129	4	US-09-732-210-325
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4	7	7.2	295	4	US-09-107-532A-6497
5	6	6.2	7	3	US-09-258-754-407
6	6	6.2	7	3	US-09-042-107-407
7	6	6.2	27	6	5171680-14
8	6	6.2	71	4	US-09-205-258-355
9	6	6.2	73	4	US-09-250-609-19
10	6	6.2	73	4	US-09-250-611-19
11	6	6.2	88	4	US-09-134-001C-2855
12	6	6.2	94	4	US-09-107-532A-6511
13	6	6.2	113	1	US-08-168-091A-26
14	6	6.2	130	4	US-09-252-991A-27185
15	6	6.2	137	4	US-09-732-210-1267
16	6	6.2	143	4	US-09-138-452A-725
17	6	6.2	160	4	US-09-668-673B-7
18	6	6.2	163	4	US-09-562-737-77
19	6	6.2	165	4	US-09-252-991A-17601
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21	6	6.2	184	2	US-08-691-814B-50
22	6	6.2	184	3	US-09-162-597-5
23	6	6.2	184	4	US-09-250-609-13
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28	6	6.2	212	4	US-09-252-991A-19925
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Sequence 4903, Ap
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Sequence 6689, Ap
Sequence 332, App
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Sequence 456, App
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145	5	5.2	35	2	US-08-142-551B-83	Sequence 83, Appl	218	5	5.2	107	1	US-08-107-669D-27	Sequence 27, Appl
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162	5	5.2	69	2	US-08-858-311-5	Sequence 5, Appl	235	5	5.2	107	5	PCT-US93-07833-16	Sequence 60, Appl
163	5	5.2	72	3	US-08-905-223-372	Sequence 372, App	236	5	5.2	108	1	US-08-202-047-24	Sequence 24, Appl
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165	5	5.2	74	4	US-09-134-001C-5666	Sequence 5666, Ap	238	5	5.2	108	3	US-09-199-149-7	Sequence 7, Appl
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252	5	5.2	116	1	US-08-478-039-79	Sequence 79, Appl	325	129	4	US-09-370-838-214	Sequence 214, App
253	5	5.2	116	1	US-08-476-349A-79	Sequence 79, Appl	326	129	4	US-09-370-838-214	Sequence 214, App
254	5	5.2	116	3	US-08-545-809A-92	Sequence 92, Appl	327	129	4	US-09-732-210-1665	Sequence 1665, Ap
255	5	5.2	116	3	US-08-545-809A-118	Sequence 118, App	328	131	1	US-08-236-520-2	Sequence 2, Appli
256	5	5.2	116	3	US-08-545-809A-140	Sequence 140, App	329	131	4	US-09-732-210-1666	Sequence 20, Appl
257	5	5.2	116	3	US-08-397-411-3	Sequence 3, Appli	330	131	4	US-09-717-461-20	Sequence 20, Appl
258	5	5.2	117	1	US-08-448-196A-2	Sequence 2, Appli	331	131	5	US-09-314-701-20	Sequence 2, Appli
259	5	5.2	117	1	US-08-652-816A-13	Sequence 13, Appl	332	132	4	PCT-US95-05262-2	Sequence 2, Appli
260	5	5.2	118	3	US-08-545-809A-123	Sequence 123, App	333	132	4	US-09-732-210-1671	Sequence 1671, Ap
261	5	5.2	118	3	US-08-545-809A-142	Sequence 142, App	334	133	4	US-09-732-210-1673	Sequence 1673, Ap
262	5	5.2	118	4	US-09-025-769B-25	Sequence 25, Appl	335	133	4	US-09-134-001C-3349	Sequence 3349, Ap
263	5	5.2	118	4	US-09-627-376-17	Sequence 17, Appl	336	133	4	US-09-134-001C-4596	Sequence 4596, Ap
264	5	5.2	118	4	US-09-107-532A-4319	Sequence 4319, Ap	337	133	4	US-09-797-908-8	Sequence 8, Appli
265	5	5.2	119	1	US-08-478-039-77	Sequence 77, Appl	338	134	4	US-09-134-001C-5232	Sequence 5232, Ap
266	5	5.2	119	1	US-08-476-349A-77	Sequence 77, Appl	339	134	4	US-09-732-210-1264	Sequence 1264, Ap
267	5	5.2	119	2	US-08-652-816A-10	Sequence 10, Appl	340	135	4	US-09-134-001C-3305	Sequence 3305, Ap
268	5	5.2	119	2	US-08-428-137-16	Sequence 16, Appl	341	135	4	US-09-732-210-1327	Sequence 1327, Ap
269	5	5.2	119	2	US-08-588-258B-30	Sequence 30, Appl	342	137	2	US-08-621-751A-8	Sequence 8, Appli
270	5	5.2	119	3	US-08-460-505-30	Sequence 30, Appl	343	137	4	US-09-732-210-686	Sequence 686, App
271	5	5.2	119	4	US-09-025-769B-39	Sequence 39, Appl	344	137	4	US-09-732-210-1679	Sequence 1679, Ap
272	5	5.2	119	4	US-09-025-769B-65	Sequence 65, Appl	345	138	4	US-09-732-210-1266	Sequence 1266, Ap
273	5	5.2	119	4	US-08-858-207A-388	Sequence 388, App	346	139	1	US-08-478-039-108	Sequence 108, App
274	5	5.2	119	5	PCT-US93-10555-16	Sequence 16, Appl	347	139	3	US-08-476-349A-108	Sequence 108, App
275	5	5.2	119	5	Sequence 30, Appl	Sequence 30, Appl	348	139	3	US-08-523-894-2	Sequence 2, Appli
276	5	5.2	119	6	Patent No. 5242798-3	Patent No. 5242798	349	139	4	US-09-252-991A-27600	Sequence 27600, A
277	5	5.2	120	3	US-08-554-840-5	Sequence 5, Appli	350	139	4	US-09-328-352-5644	Sequence 5644, Ap
278	5	5.2	120	3	US-08-554-840-8	Sequence 8, Appli	351	140	4	US-09-732-210-292	Sequence 292, App
279	5	5.2	120	3	US-08-545-809A-137	Sequence 137, App	352	140	4	US-09-252-991A-20499	Sequence 20499, A
280	5	5.2	120	4	US-08-890-865A-16	Sequence 16, Appl	353	140	4	US-09-732-210-742	Sequence 742, App
281	5	5.2	120	4	US-08-925-339-5	Sequence 5, Appli	354	140	4	US-09-732-210-743	Sequence 743, App
282	5	5.2	120	4	US-09-925-339-8	Sequence 8, Appli	355	140	4	US-09-732-210-744	Sequence 744, App
283	5	5.2	120	4	US-09-332-595-5	Sequence 5, Appli	356	140	4	US-09-732-210-748	Sequence 748, App
284	5	5.2	120	4	US-08-332-595-8	Sequence 8, Appli	357	140	4	US-09-107-532A-4699	Sequence 4699, Ap
285	5	5.2	121	1	US-08-478-039-80	Sequence 8, Appli	358	141	4	US-09-252-991A-17042	Sequence 17042, A
286	5	5.2	121	1	US-08-476-349A-80	Sequence 80, Appl	359	141	4	US-09-107-532A-4835	Sequence 4835, Ap
287	5	5.2	121	4	US-09-328-352-5325	Sequence 80, Appl	360	142	2	US-08-480-774A-2	Sequence 2, Appli
288	5	5.2	121	4	US-08-360-125-11	Sequence 5325, Ap	361	142	4	US-09-252-991A-30449	Sequence 30449, A
289	5	5.2	122	2	US-08-450-578-11	Sequence 11, Appl	362	142	4	US-09-328-352-5470	Sequence 5470, Ap
290	5	5.2	122	2	US-09-017-628-11	Sequence 11, Appl	363	143	4	US-09-252-991A-20935	Sequence 20935, A
291	5	5.2	122	2	US-09-014-860-11	Sequence 11, Appl	364	143	4	Sequence 17740, A	Sequence 17740, A
292	5	5.2	122	4	US-08-450-363-11	Sequence 11, Appl	365	144	4	Sequence 657, App	Sequence 657, App
293	5	5.2	123	1	US-07-893-929A-10	Sequence 11, Appl	366	145	2	Sequence 20, Appl	Sequence 20, Appl
294	5	5.2	123	4	US-08-793-450-4	Sequence 10, Appl	367	146	4	Sequence 5556, Ap	Sequence 5556, Ap
295	5	5.2	123	5	PCT-US92-10344-10	Sequence 4, Appli	368	147	4	Sequence 31616, A	Sequence 31616, A
296	5	5.2	124	1	US-08-478-039-78	Sequence 10, Appl	369	147	4	Sequence 171, App	Sequence 171, App
297	5	5.2	124	1	US-08-476-349A-78	Sequence 78, Appl	370	149	4	Sequence 5296, Ap	Sequence 5296, Ap
298	5	5.2	124	4	US-09-461-325-398	Sequence 398, App	371	150	4	Sequence 5160, Ap	Sequence 5160, Ap
299	5	5.2	125	1	US-08-478-039-76	Sequence 76, Appl	372	151	4	Sequence 6536, Ap	Sequence 6536, Ap
300	5	5.2	125	1	US-08-476-349A-76	Sequence 76, Appl	373	157	4	Sequence 896, App	Sequence 896, App
301	5	5.2	126	1	US-08-276-852-142	Sequence 142, App	374	158	2	Sequence 4, Appli	Sequence 4, Appli
302	5	5.2	126	1	US-08-899-875-142	Sequence 142, App	375	158	2	Sequence 1, Appli	Sequence 1, Appli
303	5	5.2	126	1	US-08-899-875-142	Sequence 142, App	376	158	2	Sequence 3, Appli	Sequence 3, Appli
304	5	5.2	126	3	US-08-772-440-10	Sequence 10, Appl	377	158	2	Sequence 3, Appli	Sequence 3, Appli
305	5	5.2	126	3	US-09-284-033-5	Sequence 10, Appl	378	158	2	Sequence 3, Appli	Sequence 3, Appli
306	5	5.2	126	3	US-08-729-834B-5	Sequence 5, Appli	379	158	4	Sequence 315, App	Sequence 315, App
307	5	5.2	126	4	US-09-453-195A-4	Sequence 4, Appli	380	159	4	Sequence 18749, A	Sequence 18749, A
308	5	5.2	126	5	PCT-US95-08743-142	Sequence 142, App	381	160	2	Sequence 24929, A	Sequence 24929, A
309	5	5.2	127	1	US-08-458-516-5	Sequence 5, Appli	382	161	4	Sequence 318, App	Sequence 318, App
310	5	5.2	127	1	US-08-137-117D-29	Sequence 29, Appl	383	162	4	Sequence 24987, A	Sequence 24987, A
311	5	5.2	127	1	US-08-137-117D-37	Sequence 37, Appl	384	162	4	Sequence 527, App	Sequence 527, App
312	5	5.2	127	2	US-08-436-717-29	Sequence 29, Appl	385	164	4	Sequence 533, App	Sequence 533, App
313	5	5.2	127	2	US-08-436-717-37	Sequence 37, Appl	386	164	4	Sequence 4, Appli	Sequence 4, Appli
314	5	5.2	127	2	US-08-646-981-8	Sequence 8, Appli	387	165	4	Sequence 245, App	Sequence 245, App
315	5	5.2	127	2	US-08-621-751A-2	Sequence 2, Appli	388	166	4	Sequence 2743, App	Sequence 2743, App
316	5	5.2	127	2	US-08-574-699A-2	Sequence 2, Appli	389	166	4	Sequence 10, Appl	Sequence 10, Appl
317	5	5.2	127	3	US-08-836-561-29	Sequence 29, Appl	390	166	4		
318	5	5.2	127	3	US-08-649-100-17	Sequence 17, Appl	391	167	4		
319	5	5.2	127	4	US-09-434-122-29	Sequence 29, Appl	392	168	3		

333	5	5.2	4	US-09-372-591-10	Sequence 10, Appl	466	5	5.2	214	5	PCT-US93-07832-24	Sequence 24, Appl
334	5	5.2	4	US-09-732-210-1074	Sequence 1074, Ap	467	5	5.2	217	3	US-09-078-317-9	Sequence 9, Appl
335	5	5.2	4	US-09-732-210-1576	Sequence 1676, Ap	468	5	5.2	217	4	US-09-454-818-9	Sequence 9, Appl
336	5	5.2	4	US-09-252-991A-16603	Sequence 16603, A	469	5	5.2	218	3	US-09-216-001-4	Sequence 4, Appl
337	5	5.2	4	US-09-732-210-560	Sequence 560, App	470	5	5.2	218	3	US-08-878-862-4	Sequence 4, Appl
338	5	5.2	3	US-08-981-392-18	Sequence 18, Appl	471	5	5.2	218	3	US-09-081-689-6	Sequence 6, Appl
339	5	5.2	4	US-09-134-001C-3850	Sequence 3850, Ap	472	5	5.2	218	4	US-09-305-984-16	Sequence 16, Appl
400	5	5.2	4	US-09-328-352-7878	Sequence 7878, Ap	473	5	5.2	218	4	US-09-073-541A-16	Sequence 16, Appl
401	5	5.2	4	US-09-107-532A-6949	Sequence 6949, Ap	474	5	5.2	218	4	US-09-252-991A-18209	Sequence 28209, A
402	5	5.2	3	US-08-772-440-8	Sequence 8, Appl	475	5	5.2	219	4	US-08-228-208A-21	Sequence 21, Appl
403	5	5.2	3	US-09-309-317-2	Sequence 2, Appl	476	5	5.2	220	3	US-09-107-532A-4477	Sequence 18985, A
404	5	5.2	3	US-09-232-446B-5	Sequence 5, Appl	477	5	5.2	221	4	US-09-152-991A-18985	Sequence 4477, Ap
405	5	5.2	3	US-09-252-991A-26469	Sequence 26469, A	478	5	5.2	222	4	US-09-252-991A-18423	Sequence 18423, A
406	5	5.2	3	US-08-772-440-31	Sequence 31, Appl	479	5	5.2	222	1	US-08-505-058-5	Sequence 5, Appl
407	5	5.2	4	US-09-328-352-5473	Sequence 5473, Ap	480	5	5.2	223	2	US-08-459-818-25	Sequence 25, Appl
408	5	5.2	3	US-08-721-925A-3	Sequence 3, Appl	481	5	5.2	223	2	US-08-889-866-25	Sequence 25, Appl
409	5	5.2	3	US-08-691-563C-90	Sequence 90, Appl	482	5	5.2	223	2	US-08-465-078-25	Sequence 25, Appl
410	5	5.2	4	US-09-615-182A-268	Sequence 268, App	483	5	5.2	223	2	US-08-725-776-25	Sequence 25, Appl
411	5	5.2	4	US-09-252-991A-31422	Sequence 31422, A	484	5	5.2	223	2	US-08-488-062-25	Sequence 25, Appl
412	5	5.2	4	US-08-374-766-90	Sequence 90, Appl	485	5	5.2	223	3	US-08-857-534-12	Sequence 12, Appl
413	5	5.2	4	US-08-978-847B-84	Sequence 84, Appl	486	5	5.2	223	3	US-09-166-350-20	Sequence 20, Appl
414	5	5.2	4	US-09-040-229B-6	Sequence 6, Appl	487	5	5.2	223	4	US-09-138-452A-944	Sequence 944, App
415	5	5.2	184	US-09-252-991A-22978	Sequence 22978, A	488	5	5.2	223	5	PCT-US95-04971-12	Sequence 12, Appl
416	5	5.2	3	US-08-981-739-133	Sequence 133, App	489	5	5.2	223	5	US-09-091-899-10	Sequence 10, Appl
417	5	5.2	4	US-09-128-026-133	Sequence 133, App	490	5	5.2	224	3	US-08-738-462-2	Sequence 2, Appl
418	5	5.2	4	US-09-252-991A-27949	Sequence 27949, A	491	5	5.2	225	5	PCT-US94-07587-2	Sequence 2, Appl
419	5	5.2	186	US-09-250-609-15	Sequence 15, Appl	492	5	5.2	225	5	US-08-896-933-25	Sequence 25, Appl
420	5	5.2	4	US-09-250-611-15	Sequence 15, Appl	493	5	5.2	228	4	US-09-314-235-25	Sequence 25, Appl
421	5	5.2	186	US-09-252-991A-20433	Sequence 20433, A	494	5	5.2	228	4	US-09-328-352-4878	Sequence 4878, Ap
422	5	5.2	4	US-09-227-357-78	Sequence 478, App	495	5	5.2	228	4	US-09-107-532A-3896	Sequence 3896, Ap
423	5	5.2	4	US-08-252-991A-30555	Sequence 30555, A	496	5	5.2	229	3	US-09-367-177-26	Sequence 26, Appl
424	5	5.2	4	US-09-252-991A-32182	Sequence 32182, A	497	5	5.2	229	4	US-09-651-656-35	Sequence 35, Appl
425	5	5.2	189	US-09-477-135A-137	Sequence 137, App	498	5	5.2	229	4	US-09-650-855-35	Sequence 35, Appl
426	5	5.2	191	US-09-107-532A-5508	Sequence 5508, Ap	499	5	5.2	229	4	US-09-134-001C-2965	Sequence 2965, Ap
427	5	5.2	4	US-09-134-001C-3269	Sequence 3269, Ap	500	5	5.2	229	4	US-09-252-991A-31789	Sequence 31789, A
428	5	5.2	4	US-08-213-233D-19	Sequence 19, Appl	501	5	5.2	230	4	US-09-252-991A-30298	Sequence 30298, A
429	5	5.2	195	US-08-879-561-5	Sequence 5, Appl	502	5	5.2	231	4	US-09-495-406-35	Sequence 35, Appl
430	5	5.2	197	US-09-112-248-2	Sequence 2, Appl	503	5	5.2	231	4	US-09-583-545-10	Sequence 10, Appl
431	5	5.2	197	US-08-772-440-13	Sequence 13, Appl	504	5	5.2	233	4	US-09-107-532A-6776	Sequence 6776, Ap
432	5	5.2	199	US-08-772-440-13	Sequence 13, Appl	505	5	5.2	234	4	US-09-134-001C-3384	Sequence 3384, Ap
433	5	5.2	200	US-08-881-094-19	Sequence 19, Appl	506	5	5.2	234	4	US-09-252-991A-30807	Sequence 7, Appl
434	5	5.2	200	US-08-134-001C-3812	Sequence 3812, Ap	507	5	5.2	236	4	US-09-118-464-7	Sequence 4, Appl
435	5	5.2	200	US-09-134-001C-4063	Sequence 4063, Ap	508	5	5.2	236	4	US-09-107-532A-4263	Sequence 4, Appl
436	5	5.2	203	PCT-US93-05704-6	Sequence 6, Appl	509	5	5.2	237	4	US-09-252-991A-29558	Sequence 29558, A
437	5	5.2	203	US-08-247-946A-4	Sequence 4, Appl	510	5	5.2	237	4	US-09-107-532A-3825	Sequence 3825, Ap
438	5	5.2	204	US-08-808-550-32	Sequence 32, Appl	511	5	5.2	237	6	Patent No. 5212074	Sequence 2, Appl
439	5	5.2	204	US-08-772-440-13	Sequence 13, Appl	512	5	5.2	238	4	US-08-858-207A-420	Sequence 420, App
440	5	5.2	204	US-09-078-317-14	Sequence 14, Appl	513	5	5.2	238	4	US-09-328-352-4310	Sequence 4310, App
441	5	5.2	204	US-09-454-818-14	Sequence 14, Appl	514	5	5.2	239	4	US-09-252-991A-19895	Sequence 19895, A
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443	5	5.2	205	US-09-107-532A-5214	Sequence 5214, Ap	516	5	5.2	240	4	US-08-851-971-1	Sequence 1, Appl
444	5	5.2	206	US-09-250-609-6	Sequence 6, Appl	517	5	5.2	240	4	US-08-378-289-6	Sequence 6, Appl
445	5	5.2	206	US-09-250-611-6	Sequence 6, Appl	518	5	5.2	241	4	US-08-978-289-8	Sequence 8, Appl
446	5	5.2	207	US-08-549-515-9	Sequence 9, Appl	519	5	5.2	241	4	US-09-252-991A-25199	Sequence 25199, A
447	5	5.2	207	US-08-161-241-13	Sequence 13, Appl	520	5	5.2	241	4	US-09-107-532A-5876	Sequence 5876, Ap
448	5	5.2	208	US-09-340-620A-65	Sequence 65, Appl	521	5	5.2	242	1	US-08-015-985-7	Sequence 7, Appl
449	5	5.2	211	US-09-170-769A-8	Sequence 8, Appl	522	5	5.2	242	3	US-09-019-095A-23	Sequence 23, Appl
450	5	5.2	211	US-09-252-991A-25965	Sequence 25965, A	523	5	5.2	242	4	US-09-355-166-14	Sequence 14, Appl
451	5	5.2	212	US-09-252-991A-18358	Sequence 18358, A	524	5	5.2	242	4	US-09-134-001C-5212	Sequence 5212, Ap
452	5	5.2	212	US-09-328-352-5652	Sequence 5652, Ap	525	5	5.2	243	4	US-09-252-991A-26765	Sequence 26765, A
453	5	5.2	212	US-08-107-532A-6349	Sequence 6349, Ap	526	5	5.2	244	3	US-08-772-440-2	Sequence 2, Appl
454	5	5.2	213	US-08-425-763-1	Sequence 1, Appl	527	5	5.2	244	4	US-08-679-493A-198	Sequence 188, App
455	5	5.2	214	US-07-934-373C-24	Sequence 24, Appl	528	5	5.2	244	4	US-08-918-148-79	Sequence 79, Appl
456	5	5.2	214	US-08-437-642B-24	Sequence 24, Appl	529	5	5.2	244	4	US-10-039-785-44	Sequence 44, Appl
457	5	5.2	214	US-08-960-507-21	Sequence 21, Appl	530	5	5.2	245	1	US-08-015-985-8	Sequence 8, Appl
458	5	5.2	214	US-08-811-757-1	Sequence 1, Appl	531	5	5.2	245	1	US-09-438-833-3	Sequence 3, Appl
459	5	5.2	214	US-09-249-230-1	Sequence 1, Appl	532	5	5.2	248	1	US-08-015-985-9	Sequence 9, Appl
460	5	5.2	214	US-08-146-206C-24	Sequence 24, Appl	533	5	5.2	250	3	US-08-944-483-51	Sequence 51, Appl
461	5	5.2	214	US-09-136-801-21	Sequence 21, Appl	534	5	5.2	250	4	US-09-252-991A-18384	Sequence 18384, A
462	5	5.2	214	US-09-252-991A-23492	Sequence 23492, A	535	5	5.2	250	4	US-09-328-352-5203	Sequence 5203, Ap
463	5	5.2	214	US-09-202-088A-21	Sequence 21, Appl	536	5	5.2	251	4	US-09-252-991A-27585	Sequence 27585, A
464	5	5.2	214	US-09-328-352-6571	Sequence 6571, Ap	537	5	5.2	253	3	US-09-333-599-2	Sequence 2, Appl
465	5	5.2	214			538	5	5.2	253	3	US-09-333-599-4	Sequence 4, Appl

539	5	5.2	253	4	US-09-499-781-2	Sequence 2, Appli	612	5	5.2	286	4	US-09-136-801-20	Sequence 20, Appl
540	5	5.2	253	4	US-09-499-781-4	Sequence 4, Appli	613	5	5.2	286	4	US-09-202-088A-20	Sequence 20, Appl
541	5	5.2	256	4	US-09-724-623-75	Sequence 75, Appl	614	5	5.2	288	3	US-09-335-409-18	Sequence 18, Appl
542	5	5.2	256	4	US-09-431-887-31	Sequence 31, Appl	615	5	5.2	288	3	US-09-335-409-19	Sequence 19, Appl
543	5	5.2	257	2	US-08-685-932-6	Sequence 6, Appli	616	5	5.2	288	3	US-09-113-750A-10	Sequence 10, Appl
544	5	5.2	257	2	US-08-685-932-18	Sequence 18, Appl	617	5	5.2	288	4	US-09-568-102-18	Sequence 18, Appl
545	5	5.2	257	2	US-09-144-925-6	Sequence 6, Appli	618	5	5.2	288	4	US-09-568-102-19	Sequence 19, Appl
546	5	5.2	257	2	US-09-144-925-18	Sequence 18, Appl	619	5	5.2	288	4	US-09-567-969-18	Sequence 18, Appl
547	5	5.2	257	4	US-09-252-991A-22204	Sequence 22204, A	620	5	5.2	288	4	US-09-567-969-19	Sequence 19, Appl
548	5	5.2	258	2	US-08-685-932-19	Sequence 19, Appl	621	5	5.2	288	4	US-09-567-969-18	Sequence 18, Appl
549	5	5.2	258	2	US-09-144-925-19	Sequence 19, Appl	622	5	5.2	288	4	US-09-568-480-18	Sequence 18, Appl
550	5	5.2	259	4	US-09-161-241-11	Sequence 11, Appl	623	5	5.2	288	4	US-09-568-480-19	Sequence 19, Appl
551	5	5.2	259	4	US-09-161-241-12	Sequence 12, Appl	624	5	5.2	288	4	US-09-568-486-18	Sequence 18, Appl
552	5	5.2	260	2	US-08-685-932-4	Sequence 4, Appli	625	5	5.2	288	4	US-09-568-486-19	Sequence 19, Appl
553	5	5.2	260	2	US-08-685-932-25	Sequence 25, Appl	626	5	5.2	288	4	US-09-568-472-18	Sequence 18, Appl
554	5	5.2	260	2	US-09-144-925-4	Sequence 4, Appli	627	5	5.2	288	4	US-09-567-899-18	Sequence 18, Appl
555	5	5.2	260	2	US-09-144-925-25	Sequence 25, Appl	628	5	5.2	288	4	US-09-567-899-19	Sequence 19, Appl
556	5	5.2	261	2	US-08-685-932-3	Sequence 3, Appli	629	5	5.2	288	4	US-09-567-899-19	Sequence 19, Appl
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720	5	5.2	346	1	US-08-458-077-2	Sequence 2, Appli	793	5	5.2	376	4	US-09-328-352-8084	Sequence 8084, Ap
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837	5	5.2	396	5	PCT-US93-07189-10	Sequence 10, Appl	910	5	5.2	424	3	US-09-618-419-31	Sequence 31, Appl
838	5	5.2	396	6	5166058-4	Patent No. 5166058	911	5	5.2	424	4	US-09-163-674-23	Sequence 23, Appl
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842	5	5.2	398	3	US-08-871-267B-29	Sequence 29, Appl	915	5	5.2	425	3	US-08-926-922-15	Sequence 15, Appl
843	5	5.2	398	3	US-09-618-419-29	Sequence 29, Appl	916	5	5.2	425	3	US-08-537-557-15	Sequence 15, Appl
844	5	5.2	398	4	US-09-163-674-21	Sequence 21, Appl	917	5	5.2	425	4	US-09-403-343B-23	Sequence 23, Appl
845	5	5.2	399	4	US-09-323-872A-17	Sequence 17, Appl	918	5	5.2	427	1	US-08-476-008-57	Sequence 57, Appl
846	5	5.2	399	4	US-09-072-433-25	Sequence 25, Appl	919	5	5.2	427	1	US-08-476-008-58	Sequence 58, Appl
847	5	5.2	399	4	US-09-328-352-7632	Sequence 7632, Ap	920	5	5.2	427	1	US-08-476-008-60	Sequence 60, Appl
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856	5	5.2	401	4	US-08-706-945D-124	Sequence 124, App	929	5	5.2	427	1	US-08-833-485-59	Sequence 59, Appl
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859	5	5.2	403	3	US-08-206-188B-14	Sequence 14, Appl	932	5	5.2	427	3	US-09-243-374-7	Sequence 7, Appl
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ALIGNMENTS

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RESULT 1
US-09-732-210-157
; Sequence 157, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yannie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
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; LENGTH: 67
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; ORGANISM: Aquifex aeolicus
US-09-732-210-157

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Db      43      ERKKRR 50

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; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yannie S.

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; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
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; ORGANISM: Chlamydia trachomatis
US-09-732-210-225

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QY      23      RKRRKK 29
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Db      108      RKRRKK 114

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RESULT 3
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; Sequence 30401, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
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; LENGTH: 155
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30401

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RESULT 4
US-09-107-532A-6497
; Sequence 6497, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A. Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660

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Db      2  LTGGCL  7

RESULT 6
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; Patent No. 6232287
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; TITLE OF INVENTION: Molecules that Home to Various Selected Organs or
; TITLE OF INVENTION: Tissues
; FILE REFERENCE: P-LJ 2892
; CURRENT APPLICATION NUMBER: US/09/042,107
; CURRENT FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 436
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-042-107-407

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Db      2  LTGGCL  7

RESULT 7
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; Patent No. 5171680
; APPLICANT: MULLENBACH, GUY T.; HALLEWELL, ROBERT A.; VALEZUELA,
; PABLO
; TITLE OF INVENTION: SUPEROXIDE DISMUTASE ANALOGS HAVING NOVEL
; BINDING PROPERTIES
; NUMBER OF SEQUENCES: 15
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/561,442
; FILING DATE: 01-AUG-1990
; SEQ ID NO:14:
; LENGTH: 27
5171680-14

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; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007PI
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,865
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375

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; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,972
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; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15

; EARLIER APPLICATION NUMBER: 60/094,657
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; LOCATION: (71)
; OTHER INFORMATION: Xaa equals stop translation
US-09-205-258-355

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Db 58 SHLGR 63

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; Patent No. 6458943
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210002
; CURRENT APPLICATION NUMBER: US/09/250,609A
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
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US-09-250-609-19

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Qy 14 SETLSQ 19
Db 16 SETLSQ 21

RESULT 10

US-09-250-611-19
; Sequence 19, Application US/09250611
; Patent No. 6528283
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; APPLICANT: Basset, Paul
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210001
; CURRENT APPLICATION NUMBER: US/09/250,611
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-611-19


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Query Match      6.2%; Score 6; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 SETLSQ 19
DB      16 SETLSQ 21

RESULT 11
US-09-134-001C-2855
; Sequence 2855, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2855
; LENGTH: 88
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2855

Query Match      6.2%; Score 6; DB 4; Length 88;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      23 RKXERK 28
DB      43 RKXERK 48

RESULT 12
US-09-107-532A-6511
; Sequence 6511, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
```

```
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6511:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 94 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...94
; SEQUENCE DESCRIPTION: SEQ ID NO: 6511:
US-09-107-532A-6511

Query Match      6.2%; Score 6; DB 4; Length 94;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      17 LSOTEL 22
DB      39 LSOTEL 44

RESULT 13
US-08-168-091A-26
; Sequence 26, Application US/08168091A
; Patent No. 5665862
; GENERAL INFORMATION:
; APPLICANT: Fischbach, Gerald.
; APPLICANT: Falls, Douglas R.
; APPLICANT: Rosen, Kenneth M.
; APPLICANT: Corfas, Gabriel
; TITLE OF INVENTION: Neurotrophic Factor
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE AND COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/168,091A
; FILING DATE: 15-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/953,742
; FILING DATE: 29-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DeConti, Giulio A
; REGISTRATION NUMBER: 31,503
; REFERENCE/DOCKET NUMBER: HMI-002CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-168-091A-26
```

```

Query Match          6.2%; Score 6; DB 1; Length 113;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 KKERK 29
Db 92 KKERK 97

RESULT 14
US-09-252-991A-27185
; Sequence 27185, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107186.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27185
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27185

Query Match          6.2%; Score 6; DB 4; Length 130;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 VEVSRD 7
Db 41 VEVSRD 46

RESULT 15
US-09-732-210-1267
; Sequence 1267, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yennie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 1267
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Porphyra purpurea
US-09-732-210-1267

Query Match          6.2%; Score 6; DB 4; Length 137;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 92 GRRKCS 97
Db 16 GRRKCS 21

Query Match          6.2%; Score 6; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 59 IQESLL 64
Db 93 IQESLL 98

RESULT 17
US-09-668-673B-7
; Sequence 7, Application US/09668673B
; Patent No. 6562956
; GENERAL INFORMATION:
; APPLICANT: Emerson, Charles P
; APPLICANT: Dhoot, Gurtej K
; TITLE OF INVENTION: IDENTIFICATION AND CLONING OF A NEW SUBFAMILY OF
; TITLE OF INVENTION: SULFATASES AND FUNCTIONAL EMBRYONIC TECHNIQUES FOR
; TITLE OF INVENTION: CHARACTERIZATION OF SUCH PROTEINS
; FILE REFERENCE: PENN-0733
; CURRENT APPLICATION NUMBER: US/09/668,673B
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,738
; PRIOR FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-668-673B-7

Query Match          6.2%; Score 6; DB 4; Length 160;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 23 RKXERK 28
Db 66 RKXERK 71

RESULT 18
US-09-562-737-77
; Sequence 77, Application US/09562737
; Patent No. 6428967
; GENERAL INFORMATION:
; APPLICANT: Herz, Joachim
; APPLICANT: Gotthardt, Michael

```

```

RESULT 16
US-09-198-452A-725
; Sequence 725, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragmer
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, pre
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 725
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; NAME/KEY: SITE
; LOCATION: 1...143
; OTHER INFORMATION: Xaa=unknown or other
US-09-198-452A-725

Query Match          6.2%; Score 6; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 59 IQESLL 64
Db 93 IQESLL 98

RESULT 17
US-09-668-673B-7
; Sequence 7, Application US/09668673B
; Patent No. 6562956
; GENERAL INFORMATION:
; APPLICANT: Emerson, Charles P
; APPLICANT: Dhoot, Gurtej K
; TITLE OF INVENTION: IDENTIFICATION AND CLONING OF A NEW SUBFAMILY OF
; TITLE OF INVENTION: SULFATASES AND FUNCTIONAL EMBRYONIC TECHNIQUES FOR
; TITLE OF INVENTION: CHARACTERIZATION OF SUCH PROTEINS
; FILE REFERENCE: PENN-0733
; CURRENT APPLICATION NUMBER: US/09/668,673B
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,738
; PRIOR FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-668-673B-7

Query Match          6.2%; Score 6; DB 4; Length 160;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 23 RKXERK 28
Db 66 RKXERK 71

RESULT 18
US-09-562-737-77
; Sequence 77, Application US/09562737
; Patent No. 6428967
; GENERAL INFORMATION:
; APPLICANT: Herz, Joachim
; APPLICANT: Gotthardt, Michael

```

;; TITLE OF INVENTION: LDL Receptor Signaling Pathways
;; FILE REFERENCE: USW0708
;; CURRENT APPLICATION NUMBER: US/09/562,737
;; CURRENT FILING DATE: 2000-05-01
;; NUMBER OF SEQ ID NOS: 132
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 77
;; LENGTH: 163
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: Sequence
US-09-562-737-77

Query Match 6.2%; Score 6; DB 4; Length 163;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 ASLGDS 14
Db 13 ASLGDS 18

RESULT 19

US-09-252-991A-17601
; Sequence 17601, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107136.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17601
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17601

Query Match 6.2%; Score 6; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 87;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 79 TGGCLP 84
Db 17 TGGCLP 22

RESULT 20

US-08-715-204-5
; Sequence 5, Application US/08715204
; Patent No. 5874286
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Au-Young, Janice
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer.
; APPLICANT: Zweiger, Gary B.
; TITLE OF INVENTION: A NOVEL TUMOR PROTEIN
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.

;; ZIP: 94304
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq Version 1.5
;; CURRENT APPLICATION DATA: US/08/715,204
;; APPLICATION NUMBER: US/08/715,204
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0126 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 184 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; IMMEDIATE SOURCE:
;; LIBRARY: GenBank
;; CLONE: 790225
US-08-715-204-5

Query Match 6.2%; Score 6; DB 2; Length 184;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 21

US-08-691-814B-50
; Sequence 50, Application US/08691814B
; Patent No. 5981218
; GENERAL INFORMATION:
; APPLICANT: Rio, Marie-Christine
; APPLICANT: Tomasetto, Catherine
; APPLICANT: Basset, Paul
; APPLICANT: Byrne, Jennifer
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful
; TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave, NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/691,814B
; FILING DATE: 31-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US 60/002,183
; FILING DATE: 09-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.

REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1383.0090001
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2543
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
US-08-691-814B-50

Query Match
Best Local Similarity 6.2%; Score 6; DB 2; Length 184;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 100 SETLSQ 105

RESULT 22
US-09-162-597-5
; Sequence 5, Application US/09162597
; Patent No. 6043343
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Au-Young, Janice
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer.
; APPLICANT: Zweiger, Gary B.
; TITLE OF INVENTION: A NOVEL TUMOR PROTEIN
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/162,597
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/715,204
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0126 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 790225
US-09-162-597-5

Query Match
6.2%; Score 6; DB 3; Length 184;

Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 100 SETLSQ 105

RESULT 23
US-09-250-609-13
; Sequence 13, Application US/09250609A
; Patent No. 6458943
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210002
; CURRENT APPLICATION NUMBER: US/09/250,609A
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-609-13

Query Match
Best Local Similarity 6.2%; Score 6; DB 4; Length 184;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 100 SETLSQ 105

RESULT 24
US-09-250-611-13
; Sequence 13, Application US/09250611
; Patent No. 6528283
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; APPLICANT: Basset, Paul
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210001
; CURRENT APPLICATION NUMBER: US/09/250,611
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-611-13

Query Match
Best Local Similarity 6.2%; Score 6; DB 4; Length 184;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 100 SETLSQ 105

RESULT 25
US-08-691-814B-12
; Sequence 12, Application US/08691814B
; Patent No. 5981218
; GENERAL INFORMATION:
; APPLICANT: Rio, Marie-Christine
; APPLICANT: Tomasetto, Catherine
; APPLICANT: Basset, Paul
; APPLICANT: Byrne, Jennifer
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful

;; TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis

;; NUMBER OF SEQUENCES: 124

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.

;; STREET: 1100 New York Ave, NW, Suite 600

;; CITY: Washington

;; STATE: DC

;; COUNTRY: USA

;; ZIP: 20005-3934

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk

;; COMPUTER: IBM PC Compatible

;; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.30

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/08/691,814B

;; FILING DATE: 31-JUL-1996

;; CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: US 60/002,183

;; FILING DATE: 09-AUG-1995

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Steffe, Eric K.

;; REGISTRATION NUMBER: 36,688

;; REFERENCE/DOCKET NUMBER: 1383.0090001

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: 202-371-2600

;; TELEFAX: 202-371-2543

;; INFORMATION FOR SEQ ID NO: 12:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 185 amino acids

;; TYPE: amino acid

;; TOPOLOGY: linear

;; MOLECULE TYPE: protein

US-08-691-814B-12

Query Match 6.2%; Score 6; DB 2; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 SETLSQ 19

Db 100 SETLSQ 105

RESULT 26

US-09-250-609-11

;; Sequence 11, Application US/09250609A

;; Patent No. 6458943

;; GENERAL INFORMATION:

;; APPLICANT: Byrne, Jennifer A.

;; TITLE OF INVENTION: Members of the D52 Gene Family

;; FILE REFERENCE: 1383.0210002

;; CURRENT APPLICATION NUMBER: US/09/250,609A

;; CURRENT FILING DATE: 1999-02-17

;; NUMBER OF SEQ ID NOS: 108

;; SOFTWARE: PatentIn Ver. 2.0

;; SEQ ID NO 11

;; LENGTH: 185

;; TYPE: PRT

;; ORGANISM: Homo sapiens

US-09-250-609-11

Query Match 6.2%; Score 6; DB 4; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 SETLSQ 19

Db 100 SETLSQ 105

RESULT 27

US-09-250-611-11

;; Sequence 11, Application US/09250611

;; Patent No. 6528283

;; GENERAL INFORMATION:

;; APPLICANT: Byrne, Jennifer A.

;; APPLICANT: Basset, Paul

;; TITLE OF INVENTION: Members of the D52 Gene Family

;; FILE REFERENCE: 1383.0210001

;; CURRENT APPLICATION NUMBER: US/09/250,611

;; CURRENT FILING DATE: 1999-02-17

;; NUMBER OF SEQ ID NOS: 108

;; SOFTWARE: PatentIn Ver. 2.0

;; SEQ ID NO 11

;; LENGTH: 185

;; TYPE: PRT

;; ORGANISM: Homo sapiens

US-09-250-611-11

Query Match 6.2%; Score 6; DB 4; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 SETLSQ 19

Db 100 SETLSQ 105

RESULT 28

US-09-252-991A-19925

;; Sequence 19925, Application US/09252991A

;; Patent No. 6551795

;; GENERAL INFORMATION:

;; APPLICANT: Marc J. Rubenfield et al.

;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

;; FILE REFERENCE: 107196.136

;; CURRENT APPLICATION NUMBER: US/09/252,991A

;; CURRENT FILING DATE: 1999-02-18

;; PRIOR APPLICATION NUMBER: US 60/074,788

;; PRIOR FILING DATE: 1998-02-18

;; PRIOR APPLICATION NUMBER: US 60/094,190

;; PRIOR FILING DATE: 1998-07-27

;; NUMBER OF SEQ ID NOS: 33142

;; SEQ ID NO 19925

;; LENGTH: 212

;; TYPE: PRT

;; ORGANISM: Pseudomonas aeruginosa

;; FEATURE:

;; NAME/KEY: UNSURE

;; LOCATION: (198),(199),(200),(202),(203),(204)

;; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.

US-09-252-991A-19925

Query Match 6.2%; Score 6; DB 4; Length 212;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 27 RKKKRE 32

Db 191 RKKKRE 196

RESULT 29

US-09-690-454-69

;; Sequence 69, Application US/09690454

;; Patent No. 6531447

;; GENERAL INFORMATION:

;; APPLICANT: Steven M. Ruben, et al.

;; TITLE OF INVENTION: 32 Human Secreted Proteins

;; FILE REFERENCE: P2006P1

;; CURRENT APPLICATION NUMBER: US/09/690,454

;; CURRENT FILING DATE: 2000-10-18

;; PRIOR APPLICATION NUMBER: 09/189,144

;; PRIOR FILING DATE: 1998-11-10
;; PRIOR APPLICATION NUMBER: 60/044,039
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/048,093
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/048,190
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/050,935
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/048,101
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/048,356
;; PRIOR FILING DATE: May 30, 1997
;; PRIOR APPLICATION NUMBER: 60/056,250
;; PRIOR FILING DATE: August 29, 1997
;; PRIOR APPLICATION NUMBER: 60/056,296
;; PRIOR FILING DATE: August 29, 1997
;; PRIOR APPLICATION NUMBER: 60/056,293
;; PRIOR FILING DATE: August 29, 1997
;; NUMBER OF SEQ ID NOS: 229
;; SOFTWARE: Patent in Ver. 2.0
;; SEQ ID NO 69
;; LENGTH: 216
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: SITE
;; LOCATION: (216)
;; OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-69

Query Match 6.2%; Score 6; DB 4; Length 216;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 TLSQTE 21
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DB 150 TLSQTE 155

RESULT 30
US-08-675-885-2
; Sequence 2, Application US/08675885
; Patent No. 6066723
; GENERAL INFORMATION:
; APPLICANT: Grammatikakis, Nicholas
; APPLICANT: Grammatikakis, Aliki
; APPLICANT: Toole, Bryan P.
; APPLICANT: Cochran, Brent
; TITLE OF INVENTION: NUCLEIC ACID ENCODING VERTEBRATE CDC37
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: US
; ZIP: 03909
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,885
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M.
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: TU-9601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 207 3630558

;; TELEFAX: 207 3630528
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 246 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-675-885-2

Query Match 6.2%; Score 6; DB 3; Length 246;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 21 ELRKKE 26
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DB 3 ELRKKE 8

RESULT 31
US-09-134-001C-3847
; Sequence 3847, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3847
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3847

Query Match 6.2%; Score 6; DB 4; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 KXRER 33
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DB 25 KXRER 30

RESULT 32
US-09-328-352-6027
; Sequence 6027, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6027
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6027

Query Match 6.2%; Score 6; DB 4; Length 289;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 SLGDS 15
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; CURRENT APPLICATION NUMBER: US/08/853,948B
 ; CURRENT FILING DATE: 1997-05-09
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 348
 ; TYPE: PRT
 ; ORGANISM: Citrus unshiu
 US-08-853-948B-5

Query Match 6.2%; Score 6; DB 3; Length 348;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 76 EMLTGG 81
 Db 42 EMLTGG 47

RESULT 37

US-09-651-200-25
 ; Sequence 25, Application US/09651200
 ; Patent No. 6429303
 ; GENERAL INFORMATION:
 ; APPLICANT: Green et al
 ; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
 ; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
 ; TITLE OF INVENTION: Polypeptides Encoded Thereby
 ; FILE REFERENCE: 15966-562 (CURA-62)
 ; CURRENT APPLICATION NUMBER: US/09/651,200
 ; CURRENT FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152383
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/172909
 ; PRIOR FILING DATE: 1999-12-21
 ; PRIOR APPLICATION NUMBER: 60/183578
 ; PRIOR FILING DATE: 2000-02-18
 ; NUMBER OF SEQ ID NOS: 25
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 25
 ; LENGTH: 350
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-651-200-25

Query Match 6.2%; Score 6; DB 4; Length 350;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 RKXKE 32
 Db 280 RKXKE 285

RESULT 38

US-09-252-991A-23984
 ; Sequence 23984, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 23984
 ; LENGTH: 360
 ; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-23984

Query Match 6.2%; Score 6; DB 4; Length 360;
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 89 SHLGR 94
 Db 303 SHLGR 308

RESULT 39

US-09-328-352-7357
 ; Sequence 7357, Application US/09328352
 ; Patent No. 6562958
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 ; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC99-03PA
 ; CURRENT APPLICATION NUMBER: US/09/328,352
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 8252
 ; SEQ ID NO 7357
 ; LENGTH: 397
 ; TYPE: PRT
 ; ORGANISM: Acinetobacter baumannii
 US-09-328-352-7357

Query Match 6.2%; Score 6; DB 4; Length 397;
 Best Local Similarity 100.0%; Pred. No. 1.9e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 51 ILLFSH 56
 Db 224 ILLFSH 229

RESULT 40

US-08-414-926A-5
 ; Sequence 5, Application US/08414926A
 ; Patent No. 5721354
 ; GENERAL INFORMATION:
 ; APPLICANT: Spaete, Richard
 ; APPLICANT: Cha Tai-An
 ; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
 ; NUMBER OF SEQUENCES: 27
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
 ; STREET: 5 Palo Alto Square
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94306-2155
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/414,926A
 ; FILING DATE: March 31, 1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Cseri, Luann
 ; REGISTRATION NUMBER: 31,822
 ; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-494-7622
 ; TELEFAX: 415-857-0663
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:


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; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-414-926A-5
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Query Match          6.2%; Score 6; DB 1; Length 399;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 43 FIIFWI 48
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Db 20 FIIFWI 25
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Job time : 60.1947 secs
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OM protein - protein search, using sw model

Run on: October 28, 2003, 17:16:48 ; Search time 77.2566 Seconds
(without alignments)
210.256 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 97

Sequence: 1 EVESVRDHSAGDSETLSQT.....LTGCLPWATRSHLGRKCS 97

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Gapop 60.0 , Gapext 60.0

Searched: 629382 seqs, 167460630 residues

Word size : 0

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	97	100.0	97	10	US-09-738-973-586 Sequence 586, App
2	97	100.0	97	10	US-09-854-133-586 Sequence 586, App
3	97	100.0	97	15	US-10-144-649A-586 Sequence 586, App
4	97	100.0	114	15	US-10-144-649A-742 Sequence 742, App
5	16	16.5	16	10	US-09-738-973-587 Sequence 587, App
6	16	16.5	16	10	US-09-854-133-587 Sequence 587, App
7	16	16.5	16	15	US-10-144-649A-587 Sequence 587, App
8	7	7.2	36	11	US-09-764-872-359 Sequence 359, App
9	7	7.2	47	9	US-09-764-869-1018 Sequence 1018, App
10	7	7.2	47	15	US-10-091-504-1088 Sequence 1088, App
11	7	7.2	66	10	US-09-764-877-1089 Sequence 1089, App
12	7	7.2	94	11	US-09-866-050A-676 Sequence 676, App
13	7	7.2	154	12	US-10-029-386-32398 Sequence 32398, A
14	7	7.2	158	12	US-10-017-161-1948 Sequence 1948, App
15	7	7.2	165	12	US-10-029-386-32399 Sequence 32399, A

16	7	7.2	170	10	US-09-764-868-816 Sequence 816, App
17	7	7.2	333	12	US-10-017-161-2102 Sequence 2102, App
18	7	7.2	517	9	US-09-907-479-6 Sequence 6, Appli
19	7	7.2	517	15	US-10-280-403-6 Sequence 6, Appli
20	7	7.2	517	15	US-10-205-823-315 Sequence 315, App
21	7	7.2	802	9	US-09-876-889-352 Sequence 352, App
22	6	6.2	19	10	US-09-984-245-306 Sequence 306, App
23	6	6.2	19	11	US-09-966-262-306 Sequence 306, App
24	6	6.2	19	11	US-09-983-966-306 Sequence 306, App
25	6	6.2	19	15	US-10-143-090-306 Sequence 306, App
26	6	6.2	28	9	US-09-925-299-1023 Sequence 1023, App
27	6	6.2	28	11	US-09-925-299-1023 Sequence 1023, App
28	6	6.2	35	14	US-10-001-870-145 Sequence 145, App
29	6	6.2	35	14	US-10-001-870-145 Sequence 134, App
30	6	6.2	46	11	US-09-764-891-4700 Sequence 4700, App
31	6	6.2	49	12	US-10-029-386-28947 Sequence 28947, A
32	6	6.2	51	9	US-09-864-761-37309 Sequence 37309, A
33	6	6.2	51	9	US-09-864-761-42719 Sequence 42719, A
34	6	6.2	59	9	US-09-864-761-43079 Sequence 43079, A
35	6	6.2	64	9	US-09-864-761-33889 Sequence 33889, A
36	6	6.2	69	9	US-09-864-761-34523 Sequence 34523, A
37	6	6.2	70	11	US-09-764-891-3256 Sequence 3256, App
38	6	6.2	71	12	US-09-933-767-355 Sequence 355, App
39	6	6.2	71	15	US-10-023-282-355 Sequence 355, App
40	6	6.2	73	10	US-09-250-611-19 Sequence 19, Appl
41	6	6.2	74	12	US-10-029-386-28761 Sequence 28761, A
42	6	6.2	76	14	US-10-002-344A-229 Sequence 229, App
43	6	6.2	80	9	US-09-864-761-42011 Sequence 42011, A
44	6	6.2	89	10	US-09-764-855-99 Sequence 99, Appl
45	6	6.2	89	15	US-10-072-349-99 Sequence 99, Appl
46	6	6.2	90	12	US-10-315-515-39 Sequence 39, Appl
47	6	6.2	90	12	US-10-315-515-44 Sequence 44, Appl
48	6	6.2	95	12	US-10-315-515-35 Sequence 35, Appl
49	6	6.2	96	12	US-10-315-515-34 Sequence 34, Appl
50	6	6.2	96	12	US-10-315-515-36 Sequence 36, Appl
51	6	6.2	96	12	US-10-315-515-37 Sequence 37, Appl
52	6	6.2	96	12	US-10-315-515-40 Sequence 40, Appl
53	6	6.2	96	12	US-10-315-515-41 Sequence 41, Appl
54	6	6.2	96	12	US-10-315-515-42 Sequence 42, Appl
55	6	6.2	97	9	US-09-764-869-1022 Sequence 1022, App
56	6	6.2	97	15	US-10-091-504-1022 Sequence 1022, App
57	6	6.2	101	9	US-09-925-299-774 Sequence 774, App
58	6	6.2	101	11	US-09-925-299-774 Sequence 774, App
59	6	6.2	105	12	US-10-315-515-43 Sequence 43, App
60	6	6.2	106	12	US-10-315-515-38 Sequence 38, Appl
61	6	6.2	123	11	US-09-764-891-4621 Sequence 4621, App
62	6	6.2	123	15	US-10-043-487-333 Sequence 333, App
63	6	6.2	128	9	US-09-864-761-36308 Sequence 36308, A
64	6	6.2	141	9	US-09-864-761-36181 Sequence 36181, A
65	6	6.2	141	10	US-09-828-995B-29 Sequence 29, Appl
66	6	6.2	141	12	US-10-029-386-30357 Sequence 30357, A
67	6	6.2	143	12	US-10-029-386-33503 Sequence 33503, A
68	6	6.2	151	9	US-09-789-561-88 Sequence 88, Appl
69	6	6.2	160	10	US-09-321-801-17 Sequence 17, Appl
70	6	6.2	160	12	US-10-389-533-77 Sequence 77, Appl
71	6	6.2	163	15	US-10-211-962-77 Sequence 77, Appl
72	6	6.2	167	8	US-08-781-986A-5216 Sequence 5216, App
73	6	6.2	176	9	US-09-925-302-764 Sequence 764, App
74	6	6.2	184	10	US-09-250-611-13 Sequence 13, Appl
75	6	6.2	184	15	US-10-205-823-417 Sequence 417, App
76	6	6.2	184	15	US-10-177-293-455 Sequence 455, App
77	6	6.2	185	10	US-09-250-611-11 Sequence 11, Appl
78	6	6.2	197	15	US-10-146-473-74 Sequence 74, Appl
79	6	6.2	212	12	US-10-029-386-33405 Sequence 33405, A
80	6	6.2	216	12	US-10-062-599-69 Sequence 69, Appl
81	6	6.2	216	15	US-10-062-831-69 Sequence 69, Appl
82	6	6.2	230	10	US-09-923-300-1377 Sequence 1377, App
83	6	6.2	232	12	US-10-025-966A-9 Sequence 9, Appli
84	6	6.2	232	12	US-10-265-071-9 Sequence 9, Appli
85	6	6.2	234	9	US-09-800-729-150 Sequence 150, App
86	6	6.2	246	9	US-09-815-242-12986 Sequence 12986, A
87	6	6.2	246	9	US-09-815-244-13040 Sequence 13040, A
88	6	6.2	246	15	US-10-157-223-5 Sequence 5, Appli

89	6	6.2	250	12	US-09-976-782-31	Sequence 31, Appl	162	6	6.2	544	15	US-10-219-075-12	Sequence 12, Appl
90	6	6.2	252	16	US-10-278-536-190	Sequence 190, Appl	163	6	6.2	544	15	US-10-219-464-12	Sequence 12, Appl
91	6	6.2	254	15	US-10-106-698-4444	Sequence 4444, Ap	164	6	6.2	544	15	US-10-219-466-12	Sequence 12, Appl
92	6	6.2	255	11	US-09-922-225A-4	Sequence 4, Appli	165	6	6.2	544	15	US-10-219-479-12	Sequence 12, Appl
93	6	6.2	260	10	US-09-925-300-1470	Sequence 1470, Ap	166	6	6.2	544	15	US-10-219-481-12	Sequence 12, Appl
94	6	6.2	261	10	US-09-738-626-6335	Sequence 6335, Ap	167	6	6.2	544	15	US-10-230-260-12	Sequence 12, Appl
95	6	6.2	277	11	US-09-965-529-15	Sequence 15, Appl	168	6	6.2	544	15	US-10-232-231-12	Sequence 12, Appl
96	6	6.2	277	11	US-09-969-680A-15	Sequence 15, Appl	169	6	6.2	544	15	US-10-232-233-12	Sequence 12, Appl
97	6	6.2	281	15	US-10-101-464A-619	Sequence 619, Appl	170	6	6.2	544	15	US-10-216-165-12	Sequence 12, Appl
98	6	6.2	290	10	US-09-910-174A-19	Sequence 19, Appl	171	6	6.2	544	15	US-10-218-956-12	Sequence 12, Appl
99	6	6.2	300	12	US-10-342-224-108	Sequence 108, Appl	172	6	6.2	544	15	US-10-219-468-12	Sequence 12, Appl
100	6	6.2	318	10	US-09-947-371-2	Sequence 2, Appli	173	6	6.2	544	15	US-10-219-478-12	Sequence 12, Appl
101	6	6.2	319	12	US-09-745-842-20	Sequence 20, Appl	174	6	6.2	544	15	US-10-219-536-12	Sequence 12, Appl
102	6	6.2	319	14	US-10-025-335-1	Sequence 1, Appli	175	6	6.2	544	15	US-10-233-205-12	Sequence 12, Appl
103	6	6.2	319	14	US-10-114-893-210	Sequence 210, Appl	176	6	6.2	544	15	US-10-219-072-12	Sequence 12, Appl
104	6	6.2	319	15	US-10-106-698-4861	Sequence 4861, Ap	177	6	6.2	544	15	US-10-219-470-12	Sequence 12, Appl
105	6	6.2	319	15	US-10-225-567A-532	Sequence 532, Appl	178	6	6.2	544	15	US-10-219-474-12	Sequence 12, Appl
106	6	6.2	331	11	US-09-922-225A-6	Sequence 6, Appli	179	6	6.2	544	15	US-10-219-524-12	Sequence 12, Appl
107	6	6.2	346	15	US-10-081-816-16	Sequence 16, Appl	180	6	6.2	544	15	US-10-219-528-12	Sequence 12, Appl
108	6	6.2	350	10	US-09-910-174A-17	Sequence 17, Appl	181	6	6.2	544	15	US-10-227-880-12	Sequence 12, Appl
109	6	6.2	352	10	US-09-828-995B-38	Sequence 38, Appl	182	6	6.2	544	15	US-10-227-881-12	Sequence 12, Appl
110	6	6.2	368	10	US-09-925-300-1356	Sequence 1356, Ap	183	6	6.2	544	15	US-10-227-882-12	Sequence 12, Appl
111	6	6.2	371	10	US-09-828-302-15	Sequence 15, Appl	184	6	6.2	544	15	US-10-230-436-12	Sequence 12, Appl
112	6	6.2	371	12	US-10-276-934-16	Sequence 16, Appl	185	6	6.2	544	15	US-10-232-223-12	Sequence 12, Appl
113	6	6.2	405	9	US-09-799-777-38	Sequence 38, Appl	186	6	6.2	544	15	US-10-232-225-12	Sequence 12, Appl
114	6	6.2	426	9	US-09-844-864-4	Sequence 4, Appli	187	6	6.2	544	15	US-10-232-227-12	Sequence 12, Appl
115	6	6.2	433	12	US-10-393-545-2	Sequence 2, Appli	188	6	6.2	544	15	US-10-232-229-12	Sequence 12, Appl
116	6	6.2	433	12	US-10-393-545-4	Sequence 4, Appli	189	6	6.2	544	15	US-10-232-234-12	Sequence 12, Appl
117	6	6.2	433	12	US-10-393-545-6	Sequence 6, Appli	190	6	6.2	544	15	US-10-219-060-12	Sequence 12, Appl
118	6	6.2	445	12	US-10-032-189-73	Sequence 73, Appl	191	6	6.2	544	15	US-10-216-160-12	Sequence 12, Appl
119	6	6.2	457	9	US-09-855-242-11948	Sequence 11948, A	192	6	6.2	544	15	US-10-219-071-12	Sequence 12, Appl
120	6	6.2	468	10	US-09-828-995B-5	Sequence 5, Appli	193	6	6.2	544	15	US-10-219-074-12	Sequence 12, Appl
121	6	6.2	470	10	US-09-828-995B-11	Sequence 11, Appl	194	6	6.2	544	15	US-10-216-164-12	Sequence 12, Appl
122	6	6.2	475	10	US-09-729-454-1	Sequence 1, Appli	195	6	6.2	544	15	US-10-216-167-12	Sequence 12, Appl
123	6	6.2	477	12	US-09-738-630-83	Sequence 83, Appl	196	6	6.2	544	15	US-10-216-168-12	Sequence 12, Appl
124	6	6.2	478	15	US-10-156-761-10917	Sequence 10917, A	197	6	6.2	544	15	US-10-219-065-12	Sequence 12, Appl
125	6	6.2	493	12	US-10-021-660-104	Sequence 104, Appl	198	6	6.2	544	15	US-10-219-071-12	Sequence 12, Appl
126	6	6.2	503	15	US-10-211-962-70	Sequence 70, Appl	199	6	6.2	544	15	US-10-219-077-12	Sequence 12, Appl
127	6	6.2	513	10	US-09-910-174A-18	Sequence 18, Appl	200	6	6.2	544	15	US-10-219-465-12	Sequence 12, Appl
128	6	6.2	522	15	US-10-156-761-8465	Sequence 8465, Ap	201	6	6.2	544	15	US-10-219-467-12	Sequence 12, Appl
129	6	6.2	532	10	US-09-801-368-360	Sequence 360, Appl	202	6	6.2	544	15	US-10-219-469-12	Sequence 12, Appl
130	6	6.2	535	15	US-10-102-806-729	Sequence 729, Appl	203	6	6.2	544	15	US-10-219-471-12	Sequence 12, Appl
131	6	6.2	544	12	US-10-216-163-12	Sequence 12, Appl	204	6	6.2	544	15	US-10-219-473-12	Sequence 12, Appl
132	6	6.2	544	12	US-10-218-765-12	Sequence 12, Appl	205	6	6.2	544	15	US-10-219-476-12	Sequence 12, Appl
133	6	6.2	544	12	US-10-219-063-12	Sequence 12, Appl	206	6	6.2	544	15	US-10-219-482-12	Sequence 12, Appl
134	6	6.2	544	12	US-10-219-066-12	Sequence 12, Appl	207	6	6.2	544	15	US-10-227-874-12	Sequence 12, Appl
135	6	6.2	544	12	US-10-219-067-12	Sequence 12, Appl	208	6	6.2	544	15	US-10-227-876-12	Sequence 12, Appl
136	6	6.2	544	12	US-10-219-068-12	Sequence 12, Appl	209	6	6.2	544	15	US-10-227-878-12	Sequence 12, Appl
137	6	6.2	544	12	US-10-219-069-12	Sequence 12, Appl	210	6	6.2	544	15	US-10-229-974-12	Sequence 12, Appl
138	6	6.2	544	12	US-10-219-073-12	Sequence 12, Appl	211	6	6.2	544	15	US-10-230-024-12	Sequence 12, Appl
139	6	6.2	544	12	US-10-219-475-12	Sequence 12, Appl	212	6	6.2	544	15	US-10-230-113-12	Sequence 12, Appl
140	6	6.2	544	12	US-10-219-480-12	Sequence 12, Appl	213	6	6.2	544	15	US-10-230-183-12	Sequence 12, Appl
141	6	6.2	544	12	US-10-219-483-12	Sequence 12, Appl	214	6	6.2	544	15	US-10-230-234-12	Sequence 12, Appl
142	6	6.2	544	12	US-10-219-525-12	Sequence 12, Appl	215	6	6.2	544	15	US-10-230-306-12	Sequence 12, Appl
143	6	6.2	544	12	US-10-219-526-12	Sequence 12, Appl	216	6	6.2	544	15	US-10-230-426-12	Sequence 12, Appl
144	6	6.2	544	12	US-10-219-530-12	Sequence 12, Appl	217	6	6.2	544	15	US-10-230-427-12	Sequence 12, Appl
145	6	6.2	544	12	US-10-219-531-12	Sequence 12, Appl	218	6	6.2	544	15	US-10-230-433-12	Sequence 12, Appl
146	6	6.2	544	12	US-10-219-532-12	Sequence 12, Appl	219	6	6.2	544	15	US-10-230-435-12	Sequence 12, Appl
147	6	6.2	544	12	US-10-219-533-12	Sequence 12, Appl	220	6	6.2	544	15	US-10-230-438-12	Sequence 12, Appl
148	6	6.2	544	12	US-10-230-437-12	Sequence 12, Appl	221	6	6.2	544	15	US-10-232-222-12	Sequence 12, Appl
149	6	6.2	544	12	US-10-232-228-12	Sequence 12, Appl	222	6	6.2	544	15	US-10-219-070-12	Sequence 12, Appl
150	6	6.2	544	15	US-10-227-884-12	Sequence 12, Appl	223	6	6.2	544	15	US-10-219-472-12	Sequence 12, Appl
151	6	6.2	544	15	US-10-230-163-12	Sequence 12, Appl	224	6	6.2	544	15	US-10-219-527-12	Sequence 12, Appl
152	6	6.2	544	15	US-10-230-338-12	Sequence 12, Appl	225	6	6.2	544	15	US-10-227-877-12	Sequence 12, Appl
153	6	6.2	544	15	US-10-218-631-12	Sequence 12, Appl	226	6	6.2	544	15	US-10-216-166-12	Sequence 12, Appl
154	6	6.2	544	15	US-10-230-414-12	Sequence 12, Appl	227	6	6.2	544	15	US-10-218-612-12	Sequence 12, Appl
155	6	6.2	544	15	US-10-216-159A-12	Sequence 12, Appl	228	6	6.2	552	12	US-10-113-644-2	Sequence 2, Appli
156	6	6.2	544	15	US-10-218-849-12	Sequence 12, Appl	229	6	6.2	553	14	US-10-095-139-5	Sequence 5, Appli
157	6	6.2	544	15	US-10-227-873-12	Sequence 12, Appl	230	6	6.2	561	10	US-09-828-995B-72	Sequence 72, Appl
158	6	6.2	544	15	US-10-227-883-12	Sequence 12, Appl	231	6	6.2	561	10	US-09-828-995B-81	Sequence 81, Appl
159	6	6.2	544	15	US-10-219-076-12	Sequence 12, Appl	232	6	6.2	562	15	US-10-158-761-11402	Sequence 11402, A
160	6	6.2	544	15	US-10-230-434-12	Sequence 12, Appl	233	6	6.2	570	10	US-09-738-626-5603	Sequence 5603, Ap
161	6	6.2	544	15	US-10-219-003-12	Sequence 12, Appl	234	6	6.2	580	9	US-09-841-132-598	Sequence 598, App

235	6	6.2	635	11	US-09-851-847-5	Sequence 5, Appli	308	5	5.2	20	11	US-09-764-891-3394	Sequence 3394, Ap
236	6	6.2	635	15	US-10-101-464A-332	Sequence 932, App	309	5	5.2	20	15	US-10-091-572-279	Sequence 279, App
237	6	6.2	648	15	US-10-156-761-13619	Sequence 13619, A	310	5	5.2	21	10	US-09-969-192-27	Sequence 27, Appl
238	6	6.2	671	15	US-10-128-714-8173	Sequence 8173, Ap	311	5	5.2	21	11	US-09-999-724-32	Sequence 32, Appl
239	6	6.2	682	15	US-10-156-761-11449	Sequence 11449, A	312	5	5.2	21	12	US-10-058-053A-290	Sequence 290, App
240	6	6.2	685	15	US-10-101-464A-918	Sequence 918, App	313	5	5.2	21	12	US-10-058-053A-292	Sequence 292, App
241	6	6.2	705	15	US-10-128-714-3201	Sequence 3201, Ap	314	5	5.2	21	12	US-10-058-053A-323	Sequence 323, App
242	6	6.2	748	15	US-10-128-714-8201	Sequence 8201, Ap	315	5	5.2	22	12	US-10-058-053A-258	Sequence 258, App
243	6	6.2	773	15	US-10-203-107-2	Sequence 2, Appli	316	5	5.2	23	8	US-08-424-550B-417	Sequence 417, App
244	6	6.2	786	9	US-09-803-126-6	Sequence 6, Appli	317	5	5.2	23	11	US-09-563-222-130	Sequence 130, App
245	6	6.2	796	10	US-09-321-801-15	Sequence 15, Appl	318	5	5.2	23	12	US-10-058-053A-244	Sequence 244, App
246	6	6.2	798	9	US-09-861-451A-12	Sequence 12, Appl	319	5	5.2	24	9	US-09-864-761-40517	Sequence 40517, A
247	6	6.2	818	9	US-09-833-790-366	Sequence 366, App	320	5	5.2	24	11	US-09-999-724-26	Sequence 26, Appl
248	6	6.2	867	12	US-10-389-532-2	Sequence 2, Appli	321	5	5.2	24	11	US-09-974-879-486	Sequence 486, App
249	6	6.2	871	12	US-10-025-966A-3	Sequence 3, Appli	322	5	5.2	24	11	US-09-305-736-487	Sequence 487, App
250	6	6.2	871	12	US-10-265-071-3	Sequence 3, Appli	323	5	5.2	24	11	US-09-915-914B-28	Sequence 28, Appl
251	6	6.2	871	12	US-10-314-881-3	Sequence 3, Appli	324	5	5.2	25	12	US-10-184-194-29	Sequence 29, Appl
252	6	6.2	871	15	US-10-177-293-248	Sequence 248, App	325	5	5.2	25	12	US-10-058-053A-245	Sequence 245, App
253	6	6.2	879	14	US-10-108-605-217	Sequence 217, App	326	5	5.2	25	12	US-10-058-053A-259	Sequence 259, App
254	6	6.2	962	12	US-10-032-585-7841	Sequence 7841, Ap	327	5	5.2	25	12	US-10-058-053A-261	Sequence 261, App
255	6	6.2	999	10	US-09-895-913A-226	Sequence 226, App	328	5	5.2	26	9	US-09-729-835-74	Sequence 74, Appl
256	6	6.2	1178	15	US-10-128-714-8240	Sequence 8240, Ap	329	5	5.2	26	12	US-10-160-162-140	Sequence 140, App
257	6	6.2	1333	9	US-09-815-242-10936	Sequence 10936, A	330	5	5.2	26	12	US-10-058-053A-247	Sequence 247, App
258	6	6.2	1596	11	US-09-909-567B-47	Sequence 47, Appl	331	5	5.2	26	12	US-10-058-053A-248	Sequence 248, App
259	6	6.2	1611	12	US-10-389-532-16	Sequence 16, Appl	332	5	5.2	26	12	US-10-058-053A-249	Sequence 249, App
260	6	6.2	1671	12	US-10-032-585-7596	Sequence 7596, Ap	333	5	5.2	27	9	US-09-764-869-1144	Sequence 1144, Ap
261	6	6.2	1726	12	US-10-205-219-109	Sequence 109, App	334	5	5.2	27	12	US-10-029-386-30455	Sequence 30455, A
262	6	6.2	2629	12	US-10-295-681-54	Sequence 54, Appl	335	5	5.2	27	15	US-10-091-504-1144	Sequence 1144, Ap
263	6	6.2	2629	12	US-10-295-681-55	Sequence 55, Appl	336	5	5.2	28	11	US-09-999-724-28	Sequence 28, Appl
264	6	6.2	2629	12	US-10-295-681-61	Sequence 61, Appl	337	5	5.2	28	12	US-10-058-053A-240	Sequence 240, App
265	6	6.2	3816	11	US-09-808-880-3	Sequence 3, Appli	338	5	5.2	28	12	US-10-058-053A-241	Sequence 241, App
266	5	5.2	5	15	US-10-039-831-5	Sequence 5, Appli	339	5	5.2	28	12	US-10-058-053A-242	Sequence 242, App
267	5	5.2	6	12	US-10-020-269-105	Sequence 105, App	340	5	5.2	28	12	US-10-058-053A-243	Sequence 243, App
268	5	5.2	8	9	US-09-761-636A-19	Sequence 19, Appl	341	5	5.2	28	12	US-10-058-053A-246	Sequence 246, App
269	5	5.2	8	10	US-09-969-192-1	Sequence 1, Appli	342	5	5.2	28	12	US-10-058-053A-257	Sequence 257, App
270	5	5.2	8	11	US-09-999-724-74	Sequence 74, Appl	343	5	5.2	28	15	US-10-097-065-486	Sequence 486, App
271	5	5.2	8	11	US-09-999-724-94	Sequence 94, Appl	344	5	5.2	30	11	US-09-874-141-25	Sequence 25, Appl
272	5	5.2	8	11	US-09-876-904A-439	Sequence 439, App	345	5	5.2	30	11	US-09-874-141-27	Sequence 27, Appl
273	5	5.2	8	15	US-10-039-831-7	Sequence 7, Appli	346	5	5.2	31	9	US-09-864-761-44724	Sequence 44724, A
274	5	5.2	9	9	US-09-761-636A-33	Sequence 33, Appl	347	5	5.2	31	9	US-09-864-761-448311	Sequence 48311, A
275	5	5.2	10	11	US-09-572-404B-2010	Sequence 2010, Ap	348	5	5.2	31	9	US-09-929-818-56	Sequence 56, Appl
276	5	5.2	11	10	US-09-969-192-19	Sequence 19, Appl	349	5	5.2	31	9	US-09-929-818-65	Sequence 65, Appl
277	5	5.2	11	11	US-09-999-724-76	Sequence 76, Appl	350	5	5.2	31	9	US-09-929-818-67	Sequence 67, Appl
278	5	5.2	11	11	US-09-876-904A-239	Sequence 239, App	351	5	5.2	31	9	US-09-929-818-70	Sequence 70, Appl
279	5	5.2	11	15	US-10-146-574-27	Sequence 27, Appl	352	5	5.2	31	9	US-09-929-818-74	Sequence 74, Appl
280	5	5.2	12	11	US-09-824-584-6	Sequence 6, Appli	353	5	5.2	31	9	US-09-929-818-82	Sequence 82, Appl
281	5	5.2	12	12	US-10-375-876-11	Sequence 11, Appl	354	5	5.2	31	9	US-09-929-818-83	Sequence 83, Appl
282	5	5.2	12	15	US-10-096-986-16	Sequence 16, Appl	355	5	5.2	31	9	US-09-929-818-88	Sequence 88, Appl
283	5	5.2	13	10	US-09-746-170-4	Sequence 4, Appli	356	5	5.2	31	9	US-09-929-818-90	Sequence 90, Appl
284	5	5.2	13	10	US-09-909-460-30	Sequence 30, Appl	357	5	5.2	31	9	US-09-929-818-91	Sequence 91, Appl
285	5	5.2	13	11	US-09-069-228-12	Sequence 12, Appl	358	5	5.2	31	9	US-09-929-818-92	Sequence 92, Appl
286	5	5.2	14	10	US-09-791-378-262	Sequence 262, App	359	5	5.2	31	9	US-09-929-818-93	Sequence 93, Appl
287	5	5.2	14	12	US-10-210-152-28	Sequence 28, Appl	360	5	5.2	31	9	US-09-929-818-98	Sequence 98, Appl
288	5	5.2	14	12	US-10-210-152-34	Sequence 34, Appl	361	5	5.2	31	10	US-09-732-091-9	Sequence 9, Appli
289	5	5.2	14	12	US-10-210-152-40	Sequence 40, Appl	362	5	5.2	31	11	US-09-820-843A-40	Sequence 40, Appl
290	5	5.2	14	12	US-10-210-152-46	Sequence 46, Appl	363	5	5.2	31	14	US-10-001-870-118	Sequence 118, App
291	5	5.2	14	12	US-10-058-053A-327	Sequence 327, App	364	5	5.2	32	12	US-10-058-053A-268	Sequence 268, App
292	5	5.2	15	10	US-09-969-192-43	Sequence 43, Appl	365	5	5.2	33	9	US-09-864-761-35714	Sequence 35714, A
293	5	5.2	15	11	US-09-999-724-38	Sequence 38, Appl	366	5	5.2	33	15	US-10-091-504-723	Sequence 723, App
294	5	5.2	15	11	US-09-999-724-78	Sequence 78, Appl	367	5	5.2	33	15	US-10-091-504-977	Sequence 977, App
295	5	5.2	16	11	US-09-530-139-34	Sequence 34, Appl	368	5	5.2	34	9	US-09-864-761-37415	Sequence 37415, A
296	5	5.2	16	12	US-10-267-251-29	Sequence 29, Appl	369	5	5.2	35	9	US-09-764-869-977	Sequence 977, App
297	5	5.2	16	12	US-10-058-053A-329	Sequence 329, App	370	5	5.2	35	15	US-10-091-504-723	Sequence 723, App
298	5	5.2	16	12	US-10-020-269-12	Sequence 12, Appl	371	5	5.2	36	9	US-09-864-761-43925	Sequence 43925, A
299	5	5.2	16	15	US-10-053-485-24	Sequence 24, Appl	372	5	5.2	36	12	US-10-012-952A-236	Sequence 236, App
300	5	5.2	16	15	US-10-225-567A-944	Sequence 944, App	373	5	5.2	37	9	US-09-864-761-36380	Sequence 36380, A
301	5	5.2	17	9	US-09-864-761-38152	Sequence 38152, A	374	5	5.2	37	9	US-09-864-761-39181	Sequence 39181, A
302	5	5.2	17	11	US-09-999-724-42	Sequence 42, Appl	375	5	5.2	37	9	US-09-864-761-42368	Sequence 42368, A
303	5	5.2	17	11	US-09-999-724-36	Sequence 36, Appl	376	5	5.2	37	10	US-09-925-300-1099	Sequence 1099, Ap
304	5	5.2	19	11	US-09-922-226-131	Sequence 131, App	377	5	5.2	37	12	US-10-195-730-368	Sequence 368, App
305	5	5.2	19	11	US-09-992-672-3	Sequence 3, Appli	378	5	5.2	37	12	US-10-058-053A-254	Sequence 254, App
306	5	5.2	19	15	US-10-020-008-5	Sequence 5, Appli	379	5	5.2	38	12	US-10-058-053A-250	Sequence 250, App
307	5	5.2	20	11	US-09-999-724-34	Sequence 34, Appl	380	5	5.2	38	12	US-10-058-053A-251	Sequence 251, App

381	5	5.2	39	10	US-09-836-392-29	Sequence 29, Appl	454	5	5.2	60	9	US-09-864-761-35157	Sequence 35157, A
382	5	5.2	40	9	US-09-864-761-35185	Sequence 35185, A	455	5	5.2	60	9	US-09-864-761-36837	Sequence 36837, A
383	5	5.2	40	9	US-09-864-761-39632	Sequence 39632, A	456	5	5.2	60	9	US-09-864-761-46320	Sequence 46320, A
384	5	5.2	40	9	US-09-864-761-44825	Sequence 44825, A	457	5	5.2	60	10	US-09-764-869-11549	Sequence 11549, Ap
385	5	5.2	40	11	US-09-842-582-9	Sequence 9, Appl	458	5	5.2	62	9	US-09-864-761-39701	Sequence 39701, A
386	5	5.2	40	11	US-09-866-066-25	Sequence 25, Appl	459	5	5.2	62	9	US-09-925-300-1096	Sequence 1096, Ap
387	5	5.2	41	11	US-09-820-843A-43	Sequence 43, Appl	460	5	5.2	62	11	US-09-764-891-3387	Sequence 3387, Ap
388	5	5.2	41	11	US-09-764-891-2893	Sequence 41, Appl	461	5	5.2	62	11	US-09-950-933A-75	Sequence 75, Appl
389	5	5.2	41	12	US-10-195-730-156	Sequence 2893, Ap	462	5	5.2	63	11	US-09-813-153-137	Sequence 137, App
390	5	5.2	42	9	US-09-864-761-35812	Sequence 156, App	463	5	5.2	63	12	US-10-029-386-29621	Sequence 122, App
391	5	5.2	43	10	US-09-764-847-787	Sequence 35812, A	464	5	5.2	63	14	US-10-117-604-2	Sequence 29621, A
392	5	5.2	43	11	US-09-948-820-102	Sequence 787, App	465	5	5.2	64	9	US-09-867-550-754	Sequence 2, Appl
393	5	5.2	43	15	US-10-052-154-787	Sequence 102, App	466	5	5.2	64	9	US-09-764-878-182	Sequence 754, App
394	5	5.2	44	9	US-09-864-761-39223	Sequence 787, App	467	5	5.2	64	9	US-09-764-891-4290	Sequence 182, App
395	5	5.2	44	9	US-09-864-761-44397	Sequence 39223, A	468	5	5.2	64	11	US-09-764-891-4290	Sequence 4290, Ap
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397	5	5.2	45	10	US-09-925-300-1123	Sequence 1123, Ap	470	5	5.2	64	11	US-09-892-877-121	Sequence 121, App
398	5	5.2	45	11	US-09-974-879-250	Sequence 250, App	471	5	5.2	64	15	US-10-079-854-182	Sequence 182, App
399	5	5.2	45	11	US-09-764-891-3147	Sequence 3147, Ap	472	5	5.2	65	11	US-09-866-050A-642	Sequence 642, App
400	5	5.2	45	15	US-10-205-428-326	Sequence 326, App	473	5	5.2	65	15	US-10-083-357-891	Sequence 891, App
401	5	5.2	46	11	US-09-813-153-160	Sequence 160, App	474	5	5.2	66	10	US-09-764-846-253	Sequence 253, App
402	5	5.2	46	11	US-09-305-736-252	Sequence 252, App	475	5	5.2	66	10	US-09-950-933A-73	Sequence 73, Appl
403	5	5.2	47	9	US-09-726-643-160	Sequence 160, App	476	5	5.2	66	15	US-10-091-483-253	Sequence 253, App
404	5	5.2	47	10	US-09-925-300-1872	Sequence 1872, Ap	477	5	5.2	67	9	US-09-764-887-221	Sequence 221, App
405	5	5.2	47	14	US-10-042-141-160	Sequence 141, App	478	5	5.2	67	9	US-09-864-761-37546	Sequence 37546, A
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407	5	5.2	48	9	US-09-864-761-42787	Sequence 41347, A	480	5	5.2	67	9	US-09-867-550-244	Sequence 244, App
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416	5	5.2	51	9	US-09-764-878-114	Sequence 47528, A	489	5	5.2	70	15	US-10-083-357-879	Sequence 879, App
417	5	5.2	51	11	US-09-764-891-3377	Sequence 114, App	490	5	5.2	71	9	US-09-864-761-42804	Sequence 42804, A
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422	5	5.2	52	9	US-09-867-550-976	Sequence 265, App	495	5	5.2	72	9	US-09-764-869-683	Sequence 683, App
423	5	5.2	52	12	US-10-319-763-90	Sequence 976, App	496	5	5.2	72	9	US-09-764-869-1116	Sequence 1116, App
424	5	5.2	52	12	US-10-319-763-184	Sequence 90, Appl	497	5	5.2	72	10	US-09-925-300-1105	Sequence 1105, Ap
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427	5	5.2	53	10	US-09-764-868-1180	Sequence 6163, Ap	500	5	5.2	72	15	US-10-091-504-683	Sequence 683, App
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435	5	5.2	55	9	US-09-800-729-122	Sequence 35633, A	508	5	5.2	75	12	US-09-764-869-1073	Sequence 1073, Ap
436	5	5.2	55	10	US-09-764-871-1185	Sequence 122, App	509	5	5.2	77	15	US-10-106-698-4995	Sequence 4995, Ap
437	5	5.2	55	14	US-10-016-157A-181	Sequence 1185, Ap	510	5	5.2	77	15	US-10-106-698-4995	Sequence 4995, Ap
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442	5	5.2	58	10	US-09-796-692-1939	Sequence 31781, A	515	5	5.2	78	12	US-10-058-053A-218	Sequence 218, App
443	5	5.2	58	11	US-09-764-891-4728	Sequence 1939, Ap	516	5	5.2	78	12	US-09-933-767-373	Sequence 373, App
444	5	5.2	58	15	US-10-040-862-1939	Sequence 4728, Ap	517	5	5.2	78	12	US-10-029-386-29082	Sequence 29082, A
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446	5	5.2	59	9	US-09-925-302-570	Sequence 4293, Ap	519	5	5.2	79	12	US-10-058-053A-206	Sequence 206, App
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						Sequence 471, App							

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529	5	5.2	80	12	US-10-300-072-29	Sequence 29, Appl	602	5	5.2	97	15	US-10-194-975-51	Sequence 51, Appl
530	5	5.2	80	12	US-10-338-075-919	Sequence 919, App	603	5	5.2	97	15	US-10-194-975-52	Sequence 52, Appl
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532	5	5.2	80	12	US-10-058-053A-65	Sequence 65, Appl	605	5	5.2	98	9	US-09-905-243-46	Sequence 46, Appl
533	5	5.2	80	12	US-10-058-053A-200	Sequence 200, App	606	5	5.2	98	9	US-09-905-243-48	Sequence 48, Appl
534	5	5.2	80	12	US-10-058-053A-203	Sequence 203, App	607	5	5.2	98	9	US-09-905-243-49	Sequence 49, Appl
535	5	5.2	80	12	US-10-029-386-28908	Sequence 28908, A	608	5	5.2	98	9	US-09-905-243-51	Sequence 51, Appl
536	5	5.2	80	12	US-10-029-386-29217	Sequence 29217, A	609	5	5.2	98	9	US-09-867-550-168	Sequence 168, App
537	5	5.2	81	9	US-09-864-761-34288	Sequence 34288, A	610	5	5.2	98	10	US-09-850-165-83	Sequence 83, App
538	5	5.2	81	15	US-10-106-698-4880	Sequence 4880, Ap	611	5	5.2	98	10	US-09-950-933A-84	Sequence 84, Appl
539	5	5.2	82	10	US-09-764-877-1894	Sequence 1894, Ap	612	5	5.2	98	10	US-09-950-933A-94	Sequence 94, Appl
540	5	5.2	82	11	US-09-764-891-3247	Sequence 3247, Ap	613	5	5.2	98	15	US-10-194-975-44	Sequence 44, Appl
541	5	5.2	82	12	US-10-058-053A-122	Sequence 122, App	614	5	5.2	99	9	US-09-905-243-52	Sequence 52, Appl
542	5	5.2	82	12	US-10-434-588-43	Sequence 43, Appl	615	5	5.2	99	9	US-09-925-297-863	Sequence 863, App
543	5	5.2	82	15	US-10-002-784A-33	Sequence 33, Appl	616	5	5.2	99	11	US-09-755-109-4	Sequence 4, Appl
544	5	5.2	82	15	US-10-083-357-1278	Sequence 1278, Ap	617	5	5.2	99	15	US-10-162-794-1	Sequence 1, Appl
545	5	5.2	83	9	US-09-864-761-34989	Sequence 34989, A	618	5	5.2	99	15	US-10-194-975-41	Sequence 41, Appl
546	5	5.2	83	15	US-10-106-698-5614	Sequence 5614, Ap	619	5	5.2	99	15	US-10-194-975-43	Sequence 43, Appl
547	5	5.2	84	9	US-09-864-761-39755	Sequence 39755, A	620	5	5.2	100	9	US-09-925-299-989	Sequence 989, App
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554	5	5.2	86	10	US-09-796-692-1191	Sequence 1191, Ap	627	5	5.2	103	9	US-09-764-860-356	Sequence 356, App
555	5	5.2	86	11	US-09-813-153-87	Sequence 87, Appl	628	5	5.2	103	11	US-09-974-879-178	Sequence 178, App
556	5	5.2	86	14	US-10-058-820-18	Sequence 18, Appl	629	5	5.2	103	11	US-09-764-891-3142	Sequence 3142, Ap
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559	5	5.2	87	9	US-09-864-761-34589	Sequence 34589, A	632	5	5.2	103	15	US-10-205-428-321	Sequence 321, App
560	5	5.2	87	10	US-09-764-877-1543	Sequence 1543, Ap	633	5	5.2	104	11	US-09-764-891-3077	Sequence 3077, Ap
561	5	5.2	87	12	US-10-002-631C-201	Sequence 201, App	634	5	5.2	104	15	US-10-127-032-148	Sequence 178, App
562	5	5.2	87	12	US-10-171-681-16	Sequence 16, Appl	635	5	5.2	104	15	US-09-305-736-178	Sequence 148, App
563	5	5.2	87	12	US-10-171-681-18	Sequence 18, Appl	636	5	5.2	105	9	US-09-864-761-44573	Sequence 44573, A
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568	5	5.2	88	9	US-09-925-301-1634	Sequence 1634, Ap	641	5	5.2	107	11	US-09-994-595-60	Sequence 60, Appl
569	5	5.2	88	9	US-09-764-869-862	Sequence 862, App	642	5	5.2	107	12	US-10-268-883-6	Sequence 6, Appl
570	5	5.2	88	10	US-09-895-913A-82	Sequence 82, Appl	643	5	5.2	107	12	US-10-310-674A-34	Sequence 34, Appl
571	5	5.2	88	14	US-10-062-254-6	Sequence 6, Appl	644	5	5.2	107	12	US-10-310-674A-40	Sequence 40, Appl
572	5	5.2	88	15	US-10-091-504-862	Sequence 862, App	645	5	5.2	107	15	US-10-011-931-4	Sequence 4, Appl
573	5	5.2	89	9	US-09-864-761-39070	Sequence 39070, A	646	5	5.2	107	15	US-10-269-010-2	Sequence 2, Appl
574	5	5.2	89	10	US-09-922-261-273	Sequence 273, App	647	5	5.2	107	15	US-10-056-794-17	Sequence 17, Appl
575	5	5.2	89	12	US-10-058-053A-62	Sequence 62, Appl	648	5	5.2	108	9	US-09-056-160B-10	Sequence 10, Appl
576	5	5.2	89	12	US-10-058-053A-197	Sequence 197, App	649	5	5.2	108	11	US-09-746-783-40	Sequence 40, Appl
577	5	5.2	89	12	US-10-058-053A-209	Sequence 209, App	650	5	5.2	108	11	US-09-155-106-22	Sequence 22, Appl
578	5	5.2	89	12	US-10-029-386-31775	Sequence 31775, A	651	5	5.2	108	11	US-09-155-106-30	Sequence 30, Appl
579	5	5.2	89	12	US-10-029-386-28808	Sequence 28808, A	652	5	5.2	108	12	US-10-234-671-10	Sequence 10, Appl
580	5	5.2	90	12	US-10-029-386-28808	Sequence 30, Appl	653	5	5.2	108	12	US-10-029-386-33830	Sequence 33830, A
581	5	5.2	91	11	US-09-965-529-30	Sequence 30, Appl	654	5	5.2	108	12	US-10-120-018-7	Sequence 7, Appl
582	5	5.2	93	9	US-09-864-761-38987	Sequence 38987, A	655	5	5.2	108	12	US-10-120-018-13	Sequence 13, Appl
583	5	5.2	93	12	US-10-315-515-45	Sequence 46, Appl	656	5	5.2	108	14	US-10-140-555-4	Sequence 4, Appl
584	5	5.2	93	12	US-10-029-386-32528	Sequence 32528, A	657	5	5.2	108	15	US-10-141-908-7	Sequence 7, Appl
585	5	5.2	93	15	US-10-162-794-3	Sequence 3, Appl	658	5	5.2	108	15	US-10-106-698-6801	Sequence 6801, Ap
586	5	5.2	95	9	US-09-216-393-39	Sequence 39, Appl	659	5	5.2	109	11	US-09-929-665-21	Sequence 21, Appl
587	5	5.2	95	12	US-10-321-856-39	Sequence 39, Appl	660	5	5.2	109	11	US-09-929-546-21	Sequence 21, Appl
588	5	5.2	96	9	US-09-216-393-266	Sequence 266, App	661	5	5.2	109	12	US-10-291-851-76	Sequence 76, Appl
589	5	5.2	96	9	US-09-864-761-47540	Sequence 47540, A	662	5	5.2	109	12	US-10-197-080-4	Sequence 4, Appl
590	5	5.2	96	12	US-10-389-532-20	Sequence 20, Appl	663	5	5.2	109	15	US-09-733-665-12	Sequence 12, Appl
591	5	5.2	96	12	US-10-321-856-266	Sequence 266, App	664	5	5.2	110	9	US-09-864-761-37792	Sequence 37792, A
592	5	5.2	96	16	US-10-080-170-257	Sequence 257, App	665	5	5.2	110	10	US-09-731-872-439	Sequence 439, App
593	5	5.2	97	11	US-09-809-391-376	Sequence 376, App	666	5	5.2	110	15	US-09-876-397-479	Sequence 439, App
594	5	5.2	97	12	US-10-084-843-72	Sequence 72, Appl	667	5	5.2	110	15	US-10-102-806-831	Sequence 831, App
595	5	5.2	97	12	US-10-193-002-73	Sequence 73, Appl	668	5	5.2	111	9	US-09-764-853-434	Sequence 434, App
596	5	5.2	97	12	US-09-882-171-376	Sequence 376, App	669	5	5.2	111	10	US-09-529-063-52	Sequence 52, Appl
597	5	5.2	97	14	US-10-025-687-20	Sequence 20, Appl	670	5	5.2	111	12	US-10-414-378-52	Sequence 52, Appl
598	5	5.2	97	15	US-10-194-975-40	Sequence 40, Appl	671	5	5.2	111	12	US-08-979-847-90	Sequence 90, Appl
599	5	5.2	97	15	US-10-194-975-42	Sequence 42, Appl	672	5	5.2	114	8		

673	5	5.2	114	9	US-09-764-853-691	Sequence 691, App	746	5	5.2	126	12	US-10-016-986-142	Sequence 142, App
674	5	5.2	114	12	US-09-890-688-136	Sequence 136, App	747	5	5.2	126	12	US-10-320-231A-37	Sequence 37, App
675	5	5.2	114	12	US-09-882-227-162	Sequence 162, App	748	5	5.2	126	14	US-10-013-056-4	Sequence 4, Appli
676	5	5.2	114	16	US-10-286-421-54	Sequence 54, Appl	749	5	5.2	126	15	US-10-067-800-68	Sequence 68, Appl
677	5	5.2	115	9	US-09-864-761-35795	Sequence 35795, A	750	5	5.2	127	9	US-09-912-020-332	Sequence 332, App
678	5	5.2	115	11	US-09-764-864-1399	Sequence 1399, App	751	5	5.2	127	9	US-09-925-301-1179	Sequence 1179, Ap
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686	5	5.2	117	10	US-09-796-692-1623	Sequence 1623, App	759	5	5.2	128	12	US-10-166-626-19	Sequence 19, Appl
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992	5	5.2	176	12	US-10-063-674-146	Sequence 146, App
993	5	5.2	176	12	US-10-063-675-146	Sequence 146, App
994	5	5.2	176	12	US-10-063-676-146	Sequence 146, App
995	5	5.2	176	12	US-10-063-682-146	Sequence 146, App
996	5	5.2	176	12	US-10-063-686-146	Sequence 146, App
997	5	5.2	176	12	US-10-063-689-146	Sequence 146, App
998	5	5.2	176	12	US-10-063-692-146	Sequence 146, App
999	5	5.2	176	12	US-10-063-693-146	Sequence 146, App
1000	5	5.2	176	15	US-10-063-694-146	Sequence 392, App
		5.2	176	15	US-10-187-795-392	

ALIGNMENTS

```

RESULT 1
US-09-738-973-586
; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Read, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITL OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586

```

Query Match	100.0%;	Score 97;	DB 10;	Length 97;
Best Local Similarity	100.0%;	Pred. No. 3e-89;		

```
Matches    97; Conservative      0; Mismatches     0; Indels       0; Gaps         0;
```

Qy 1 EVEVSRDHASLGDSETLSQTQLRKRRKKRKRKFOANCGIDFTIFWIPWILLFSHHWIQ 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1 EVEVSRDHASLGDSETLSQTQLRKRRKKRKRKFOANCGIDFTIFWIPWILLFSHHWIQ 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

Qy 61 ESLLCPPSPKEVTCREMLTGGCLPFWATRSHLGRKCS 97
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 ESLLCPPSPKEVTCREMLTGGCLPFWATRSHLGRKCS 97
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 2
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Radooh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475CI0
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

Query Match 100.0%; Score 97; DB 10; Length 97;
Best Local Similarity 100.0%; Pred.No.3e+89;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 EVEVSRDHASLGDSETLSOTELRKERKKKRRKPKQANCIGDIFIIFWIFWILLFHHWIQ 60
Db 1 EVEVSRDHASLGDSETLSOTELRKERKKKRRKPKQANCIGDIFIIFWIFWILLFHHWIQ 60
QY 61 ESLLCPSPKREYTCREMLTGGCLPWATRSHLGRKCS 97
Db 61 ESLLCPSPKREYTCREMLTGGCLPWATRSHLGRKCS 97

RESULT 3
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118559A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

```

```
Query Match          100.0%; Score 97; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e-89;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 EVVSRDHSLGSETLSQTELKRRKKRRKFOANCIDFIIIFWIFWILLFSSHIIQ 60
 Db 1 EVVSRDHSLGSETLSQTELKRRKKRRKFOANCIDFIIIFWIFWILLFSSHIIQ 60
 QY 61 ESLLCPPSPKEVTCREMLTGCGCLPWATRSHLGRKCS 97
 Db 61 ESLLCPPSPKEVTCREMLTGCGCLPWATRSHLGRKCS 97

RESULT 4
 US-10-144-649A-742
 ; Sequence 587, Application US/10144649A
 ; Publication No. US20030118599A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 ; FILE REFERENCE: 210121.475C11
 ; CURRENT APPLICATION NUMBER: US/10/144,649A
 ; CURRENT FILING DATE: 2002-08-21
 ; NUMBER OF SEQ ID NOS: 749
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 742
 ; LENGTH: 114
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-144-649A-742

Query Match 100.0%; Score 97; DB 15; Length 114;
 Best Local Similarity 100.0%; Pred. No. 3.5e-89;
 Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 EVVSRDHSLGSETLSQTELKRRKKRRKFOANCIDFIIIFWIFWILLFSSHIIQ 60
 Db 18 EVVSRDHSLGSETLSQTELKRRKKRRKFOANCIDFIIIFWIFWILLFSSHIIQ 77
 QY 61 ESLLCPPSPKEVTCREMLTGCGCLPWATRSHLGRKCS 97
 Db 78 ESLLCPPSPKEVTCREMLTGCGCLPWATRSHLGRKCS 114

RESULT 5
 US-09-738-973-587
 ; Sequence 587, Application US/09738973
 ; Patent No. US20020110563A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Fling, Steven P.
 ; APPLICANT: Mohamath, Raodoh
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: Secrist, Heather
 ; APPLICANT: Indrias, Carol Yoseph
 ; APPLICANT: Benson, Darin R.
 ; APPLICANT: Elliot, Mark
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Kalos, Michael D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 ; FILE REFERENCE: 210121.475C9
 ; CURRENT APPLICATION NUMBER: US/09/738,973
 ; CURRENT FILING DATE: 2000-12-14
 ; NUMBER OF SEQ ID NOS: 587
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 587
 ; LENGTH: 16
 ; TYPE: PRT

; ORGANISM: Homo sapiens
 US-09-738-973-587
 Query Match 16.5%; Score 16; DB 10; Length 16;
 Best Local Similarity 100.0%; Pred. No. 5.1e-09;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 35 FOANCIDFIIIFWIFW 50
 Db 1 FOANCIDFIIIFWIFW 16

RESULT 6
 US-09-854-133-587
 ; Sequence 587, Application US/09854133
 ; Publication No. US20020183499A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Mohamath, Raodoh
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Benson, Darin R.
 ; APPLICANT: Secrist, Heather
 ; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.475C10
 ; CURRENT APPLICATION NUMBER: US/09/854,133
 ; CURRENT FILING DATE: 2001-05-11
 ; NUMBER OF SEQ ID NOS: 735
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 587
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-854-133-587

Query Match 16.5%; Score 16; DB 10; Length 16;
 Best Local Similarity 100.0%; Pred. No. 5.1e-09;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 35 FOANCIDFIIIFWIFW 50
 Db 1 FOANCIDFIIIFWIFW 16

RESULT 7
 US-10-144-649A-587
 ; Sequence 587, Application US/10144649A
 ; Publication No. US20030118599A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 ; FILE REFERENCE: 210121.475C11
 ; CURRENT APPLICATION NUMBER: US/10/144,649A
 ; CURRENT FILING DATE: 2002-08-21
 ; NUMBER OF SEQ ID NOS: 749
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 587
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-144-649A-587

Query Match 16.5%; Score 16; DB 15; Length 16;
 Best Local Similarity 100.0%; Pred. No. 5.1e-09;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 35 FOANCIDFIIIFWIFW 50

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Db      1  PQANCGIDFIIFWIFW 16

RESULT 8
US-09-764-872-359
; Sequence 359, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA125
; CURRENT APPLICATION NUMBER: US/09/764,872
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 957
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 359
; LENGTH: 36
; TYPE: PR1
; ORGANISM: Homo sapiens
US-09-764-872-359

Query Match      7.2%; Score 7; DB 11; Length 36;
Best Local Similarity 100.0%; Pred. No. 9.7; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      24 KKERKKK 30
Db      7 KKERKKK 13

RESULT 9
US-09-764-869-1018
; Sequence 1018, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018
; LENGTH: 47
; TYPE: PR1
; ORGANISM: Homo sapiens
US-09-764-869-1018

Query Match      7.2%; Score 7; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 12; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      25 KKERKKR 31
Db      14 KKERKKR 20

RESULT 10
US-10-091-504-1018
; Sequence 1018, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018

; LENGTH: 47
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-091-504-1018

Query Match      7.2%; Score 7; DB 15; Length 47;
Best Local Similarity 100.0%; Pred. No. 12; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      25 KKERKKR 31
Db      14 KKERKKR 20

RESULT 11
US-09-764-877-1089
; Sequence 1089, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 66
; TYPE: PR1
; ORGANISM: Homo sapiens
US-09-764-877-1089

Query Match      7.2%; Score 7; DB 10; Length 66;
Best Local Similarity 100.0%; Pred. No. 16; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      24 KKERKKK 30
Db      35 KKERKKK 41

RESULT 12
US-09-866-050A-676
; Sequence 676, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 676
; LENGTH: 94
; TYPE: PR1
; ORGANISM: Mouse
US-09-866-050A-676

Query Match      7.2%; Score 7; DB 11; Length 94;
Best Local Similarity 100.0%; Pred. No. 22; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      23 RKKERKK 29
Db      35 RKKERKK 41
```

RESULT 13

US-10-029-386-32398
; Sequence 32398, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 32398
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL358293.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
US-10-029-386-32398

Query Match 7.2%; Score 7; DB 12; Length 154;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERK 29
Db 27 RKKERK 33

RESULT 14

US-10-017-161-1948
; Sequence 1948, Application US/10017161
; Publication No. US20030143688A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1948
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (24)..(57)
; OTHER INFORMATION: Variable amino acid
US-10-017-161-1948

Query Match 7.2%; Score 7; DB 12; Length 158;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERK 29
Db 4 RKKERK 10

RESULT 15

US-10-029-386-32399
; Sequence 32399, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 32399
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL358293.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
US-10-029-386-32399

Query Match 7.2%; Score 7; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERK 29
Db 29 RKKERK 35

RESULT 16

US-09-764-868-816
; Sequence 816, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 816
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-868-816

Query Match 7.2%; Score 7; DB 10; Length 170;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERK 29
Db 17 RKKERK 23

RESULT 17

US-10-017-161-2102

Db 300 KERKKR 306

RESULT 19

US-10-280-403-6

; Sequence 6, Application US/10280403

; Publication No. US20030082620A1

; GENERAL INFORMATION:

; APPLICANT: Astle, Jon H

; APPLICANT: Burgess, Christopher C.

; APPLICANT: Dwivedi, Poornima

; APPLICANT: Lewis, Marcia E.

; APPLICANT: Molino, Gary A.

; APPLICANT: Myerow, Susan H.

; APPLICANT: Thiagalingam, Arunthathi

; APPLICANT: Catino, Theodore

; TITLE OF INVENTION: No. US20030082620A1 Human Genes and Gene Expression Products:

; FILE REFERENCE: 1657/1015B

; CURRENT APPLICATION NUMBER: US/10/280,403

; CURRENT FILING DATE: 2002-10-25

; PRIOR APPLICATION NUMBER: US 09/385,982

; PRIOR FILING DATE: 1999-08-30

; PRIOR APPLICATION NUMBER: US 09/328,111

; PRIOR FILING DATE: 1999-06-08

; PRIOR APPLICATION NUMBER: US 60/098,639

; PRIOR FILING DATE: 1988-08-31

; PRIOR APPLICATION NUMBER: US 60/117,393

; PRIOR FILING DATE: 1998-01-27

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 6

; LENGTH: 517

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-280-403-6

Query Match 7.2%; Score 7; DB 12; Length 333;

Best Local Similarity 100.0%; Pred. No. 62;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 63 LLCPPSP 69

Db 259 LLCPPSP 265

RESULT 18

US-09-907-479-6

; Sequence 6, Application US/09907479

; Patent No. US20020034758A1

; GENERAL INFORMATION:

; APPLICANT: Astle, Jon

; APPLICANT: Burgess, Christopher

; APPLICANT: Dwivedi, Poornima

; APPLICANT: Lewis, Marcia

; APPLICANT: Molino, Gary

; APPLICANT: Myerow, Susan

; APPLICANT: Thiagalingam, Arunthathi

; APPLICANT: Catino, Theodore

; TITLE OF INVENTION: No. US20020034758A1 Human Genes and Gene Expression Products: I

; FILE REFERENCE: 1657/1015B

; CURRENT APPLICATION NUMBER: US/09/907,479

; CURRENT FILING DATE: 2001-07-17

; PRIOR APPLICATION NUMBER: US 09/385,982

; PRIOR FILING DATE: 1999-08-30

; PRIOR APPLICATION NUMBER: US 09/328,111

; PRIOR FILING DATE: 1999-06-08

; PRIOR APPLICATION NUMBER: US 60/098,639

; PRIOR FILING DATE: 1988-08-31

; PRIOR APPLICATION NUMBER: US 60/117,393

; PRIOR FILING DATE: 1998-01-27

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 6

; LENGTH: 517

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-907-479-6

Query Match 7.2%; Score 7; DB 9; Length 517;

Best Local Similarity 100.0%; Pred. No. 90;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKR 31

Query Match 7.2%; Score 7; DB 15; Length 517;

Best Local Similarity 100.0%; Pred. No. 90;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKR 31

Db 300 KERKKR 306

RESULT 20

US-10-205-823-315

; Sequence 315, Application US/10205823

; Publication No. US20030108963A1

; GENERAL INFORMATION:

; APPLICANT: Schlegel, Robert

; APPLICANT: Monahan, John E.

; APPLICANT: Endege, Wilson O.

; APPLICANT: Gannavarapu, Manjula

; APPLICANT: Gorbacheva, Bella

; APPLICANT: Hoersch, Sebastian

; APPLICANT: Kamatkar, Shubhangi

; APPLICANT: Wonsay, Angela M.

; APPLICANT: Glatt, Karen

; APPLICANT: Zhao, Xumei

; APPLICANT: Anderson, Dustin

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND

; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND

; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER

; FILE REFERENCE: MRI-044

; CURRENT APPLICATION NUMBER: US/10/205,823

; CURRENT FILING DATE: 2002-07-25

; PRIOR APPLICATION NUMBER: 60/307,982

; PRIOR FILING DATE: 2001-07-25

; PRIOR APPLICATION NUMBER: 60/314,356

; PRIOR FILING DATE: 2001-08-22

; PRIOR APPLICATION NUMBER: 60/325,020

; PRIOR FILING DATE: 2001-09-25

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; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 315
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-205-823-315

Query Match
Best Local Similarity 7.2%; Score 7; DB 15; Length 517;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 25 KERKKR 31
Db 300 KERKKR 306

RESULT 21
US-09-876-889-352
; Sequence 352, Application US/09876889
; Patent No. US20020076715A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; FILE REFERENCE: 210121.466C3
; CURRENT APPLICATION NUMBER: US/09/876,889
; CURRENT FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 352
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-889-352

Query Match
Best Local Similarity 7.2%; Score 7; DB 9; Length 802;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 18 SQTELRK 24
Db 282 SQTELRK 288

RESULT 22
US-09-984-245-306
; Sequence 306, Application US/09984245
; Patent No. US20020165374A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: P2004P1
; CURRENT APPLICATION NUMBER: US/09/984,245
; CURRENT FILING DATE: 2001-10-23
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281

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; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-245-306

Query Match
Best Local Similarity 6.2%; Score 6; DB 10; Length 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 KERKK 29
Db 10 KERKK 15

RESULT 23
US-09-966-262-306
; Sequence 306, Application US/09966262
; Publication No. US20030050461A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: P2004P1
; CURRENT APPLICATION NUMBER: US/09/966,262
; CURRENT FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: US 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277

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; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-966-262-306

```

```

Query Match      6.2%; Score 6; DB 11; Length 19;
Best Local Similarity 100.0%; Pred.No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      24 KKERKK 29
Db      10 KKERKK 15

```

```

RESULT 24
US-09-983-966-306
; Sequence 306, Application US/09983966
; Publication No. US20030060619A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: P2004P1
; CURRENT APPLICATION NUMBER: US/09/983,966

```

```

; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-966-306

```

```

Query Match      6.2%; Score 6; DB 11; Length 19;
Best Local Similarity 100.0%; Pred.No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

Qy      24 KKERKK 29
Db      10 KKERKK 15

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RESULT 25
US-10-143-090-306
; Sequence 306, Application US/10143090

```

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; Publication No. US20030069406A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: P2004P1
; CURRENT APPLICATION NUMBER: US/10/143,090
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-143-090-306

Query Match
Best Local Similarity 6.2%; Score 6; DB 15; Length 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 KKERKK 29
DB 10 KKERKK 15

RESULT 26
US-09-925-299-1023
; Sequence 1023, Application US/09925299
; Patent No. US2002005627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1023
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-1023

Query Match
Best Local Similarity 6.2%; Score 6; DB 9; Length 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 14 SETLSQ 19

RESULT 27
US-09-925-299-1023
; Sequence 1023, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1023
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-1023

Query Match
Best Local Similarity 6.2%; Score 6; DB 9; Length 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
DB 14 SETLSQ 19

RESULT 28
US-10-001-870-145
; Sequence 145, Application US/10001870
; Publication No. US20020150924A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific Genes an
; FILE REFERENCE: DEX-0283
; CURRENT APPLICATION NUMBER: US/10/001,870
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,189
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 145
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-870-145

Query Match
Best Local Similarity 6.2%; Score 6; DB 14; Length 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKK 30
DB 11 KERKKK 16

RESULT 29
US-10-001-857-134
; Sequence 134, Application US/10001857
; Publication No. US20020183500A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Chen, Sei-yu
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and Pr
; FILE REFERENCE: DEX-0273
; CURRENT APPLICATION NUMBER: US/10/001,857
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,054
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 134
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-857-134

Query Match
Best Local Similarity 6.2%; Score 6; DB 14; Length 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKK 30
DB 11 KERKKK 16

RESULT 30
US-10-001-857-134
; Sequence 134, Application US/10001857
; Publication No. US20020183500A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Chen, Sei-yu
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and Pr
; FILE REFERENCE: DEX-0273
; CURRENT APPLICATION NUMBER: US/10/001,857
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,054
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 134
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-857-134

Query Match
Best Local Similarity 6.2%; Score 6; DB 14; Length 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKK 30
DB 11 KERKKK 16
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Best Local Similarity 100.0%; Pred. No. 94;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
| | | | |
Db 20 SETLSQ 25

RESULT 30
US-09-764-891-4700
; Sequence 4700, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4700
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (28)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4700

Query Match 6.2%; Score 6; DB 11; Length 46;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
| | | | |
Db 35 SETLSQ 40

RESULT 31
US-10-029-386-28947
; Sequence 28947, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Rank, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: ABOmica-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28947
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR10.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
US-10-029-386-28947

Query Match 6.2%; Score 6; DB 12; Length 49;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 69 PKEVTC 74
| | | | |
Db 32 PREVTC 37

RESULT 32
US-09-864-761-37309
; Sequence 37309, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: ABOmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 37309
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC010885.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.7

US-09-864-761-37309

Query Match 6.2%; Score 6; DB 9; Length 51;
Best Local Similarity 100.0%; Pred.No.1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

Qy 29 KKRERK 34
Db 4 KKRERK 9

RESULT 33

US-09-864-761-42719

; Sequence 42719, Application US/09864761
; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aescmca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 42719

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AC010885.1

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1

US-09-864-761-42719

Query Match 6.2%; Score 6; DB 9; Length 51;
Best Local Similarity 100.0%; Pred.No.1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

Qy 29 KKRERK 34
Db 4 KKRERK 9

RESULT 34

US-09-864-761-43079

; Sequence 43079, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aescmca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 43079

; LENGTH: 59

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AL049735.4

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.68

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.79

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.65

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76


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; LENGTH: 69
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO ACC06028.12
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 6
; OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 4.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 6.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN HB1100, SIGNAL = 14
; OTHER INFORMATION: EST_HUMAN HIT: BE071726.1, EVALU6 5.40e-01
US-09-864-761-34523

Query Match          6.2%; Score 6; DB 9; Length 69;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      25 KERKKK 30
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Db      36 KERKKK 41

RESULT 37
US-09-764-891-3256
; Sequence 3256, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3256
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (15)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-3256

Query Match          6.2%; Score 6; DB 11; Length 70;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      28 KKKRRR 33
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Db       1 KKKRRR 6

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US-09-933-767-355
; Sequence 355, Application US/09933767
; Publication No. US20030181692A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P2
; CURRENT APPLICATION NUMBER: US/09/933,767
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: PCT/US01/05614
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/184,836
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/193,170
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/205,258
; PRIOR FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: PCT/US98/11422
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/048,885
; PRIOR FILING DATE: 1997-06-05
; PRIOR APPLICATION NUMBER: 60/049,375
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,881
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,880
; PRIOR FILING DATE: 1997-06-05
; PRIOR APPLICATION NUMBER: 60/048,896
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,020
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,876
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; PRIOR FILING DATE: 1997-06-06
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; PRIOR APPLICATION NUMBER: 60/048,898
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,962
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,963

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/ PRIOR APPLICATION NUMBER: 60/048,880
/ PRIOR FILING DATE: 1997-06-06
/ PRIOR APPLICATION NUMBER: 60/048,896
/ PRIOR FILING DATE: 1997-12-18
/ PRIOR APPLICATION NUMBER: 60/068,054
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/ PRIOR APPLICATION NUMBER: 60/068,064
/ PRIOR FILING DATE: 1997-12-18
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/ PRIOR FILING DATE: 1998-01-30
/ PRIOR APPLICATION NUMBER: 60/073,164
/ PRIOR FILING DATE: 1998-01-30
/ PRIOR APPLICATION NUMBER: 60/085,925
/ PRIOR FILING DATE: 1998-05-18
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/ PRIOR FILING DATE: 1998-05-18
/ PRIOR APPLICATION NUMBER: 60/085,922
/ PRIOR FILING DATE: 1998-05-18
/ PRIOR APPLICATION NUMBER: 60/092,921
/ PRIOR FILING DATE: 1998-07-15
/ PRIOR APPLICATION NUMBER: 60/094,657
/ PRIOR FILING DATE: 1998-07-30
/ NUMBER OF SEQ ID NOS: 1245
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 355
/ LENGTH: 71
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (35)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: SITE
/ LOCATION: (71)
/ OTHER INFORMATION: Xaa equals stop translation
US-09-933-767-355
Query Match 6.2%; Score 6; DB 12; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 89 SHLGR 94
Db 58 SHLGR 63
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US-10-023-282-355
/ Sequence 355; Application US/10023282
/ Publication No. US2003002893A1
/ GENERAL INFORMATION:
/ APPLICANT: Young et al.
/ TITLE OF INVENTION: 207 Human Secreted Proteins
/ FILE REFERENCE: P2007P1
/ CURRENT APPLICATION NUMBER: US/10/023,282
/ CURRENT FILING DATE: 2001-12-20
/ EARLIER APPLICATION NUMBER: 09/205,258
/ EARLIER FILING DATE: 1998-12-04
/ EARLIER APPLICATION NUMBER: PCT/US98/11422
/ EARLIER FILING DATE: 1998-06-04
/ EARLIER APPLICATION NUMBER: 60/048,885
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/ PRIOR APPLICATION NUMBER: 60/048,962
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/ PRIOR APPLICATION NUMBER: 60/048,963
/ PRIOR FILING DATE: 1997-06-06
/ PRIOR APPLICATION NUMBER: 60/048,877
/ PRIOR FILING DATE: 1997-06-06
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/ PRIOR FILING DATE: 1997-12-18
/ PRIOR APPLICATION NUMBER: 60/092,921
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; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 355
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (35)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (71)
; OTHER INFORMATION: Xaa equals stop translation
US-10-023-282-355

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Query Match          6.2%; Score 6; DB 15; Length 71;
Best Local Similarity 100.0%; Pred.No.1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      89 SHLGR 94
Db      58 SHLGR 63

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RESULT 40
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; Sequence 19, Application US/09250611
; Patent No. US20020143161A1
; GENERAL INFORMATION:
; APPLICANT: Bytne, Jennifer A.
; APPLICANT: Basset, Paul
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210001
; CURRENT APPLICATION NUMBER: US/09/250,611
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-611-19

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Query Match          6.2%; Score 6; DB 10; Length 73;
Best Local Similarity 100.0%; Pred.No.1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Search completed: October 28, 2003, 17:28:30
Job time : 108.257 secs

GenCore version 5.1.4 p5_4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 18:46:17 ; Search time 42 Seconds
(without alignments)
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Title: US-09-854-133-586
Perfect score: 532
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Ygapop 0.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 441362 seqs, 153338381 residues
Total number of hits satisfying chosen parameters: 875442

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	283	53.2	532	1	US-08-110-683-3
4	283	53.2	3520	2	US-08-477-166-3
5	283	53.2	3520	2	US-08-472-097-3
6	283	53.2	3520	4	US-08-439-672-3
7	283	53.2	3520	5	PCT-US93-11638-3
8	282.5	53.1	3025	1	US-08-444-734-1
9	282	53.0	1001	4	US-09-641-638-319
10	281	52.8	2693	1	US-07-925-695-4
C 11	279.5	52.5	2907	2	US-09-018-628-17
C 12	279.5	52.5	2907	3	US-09-273-378-17
C 13	279.5	52.5	2907	5	US-09-018-635-26
C 14	279.5	52.5	2907	4	US-09-467-642-3
C 15	279.5	52.5	4608	4	US-09-041-886-24
C 16	279.5	52.5	4608	5	PCT-US94-05277-1
C 17	278.5	52.3	2395	4	US-09-724-864-24
C 18	278.5	52.0	1611	4	US-09-249-697A-2
C 19	276.5	52.0	1611	4	US-09-363-316B-2
C 20	276.5	52.0	2569	1	US-08-631-607-1
C 21	276.5	52.0	2569	4	US-09-098-358B-1
C 22	276.5	52.0	3098	4	US-09-232-200-58
C 23	276.5	52.0	3098	4	US-09-232-197-58
C 24	276.5	52.0	3098	4	US-09-232-201-58
C 25	276.5	52.0	4400	4	US-09-221-017B-995
C 26	275	51.7	1969	1	US-08-106-761-3
C 27	274.5	51.6	2017	4	US-09-436-983-1
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C 38	272	51.1	1454	4	US-09-149-476-302
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ALIGNMENTS

RESULT 1
US-08-861-745B-2/c
Sequence 2, Application US/08861745B
Patent No. 6165733

GENERAL INFORMATION:
APPLICANT: Cep. Hui
APPLICANT: Williams, Lewis
TITLE OF INVENTION: Gamma II Adaptin

NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Banner & Witcoff
STREET: 1001 G Street, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20001

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/861,745B
FILING DATE: 22-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A
REGISTRATION NUMBER: 32141
REFERENCE/DOCKET NUMBER: 02441.05336

TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
TELEX:

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 2533 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-861-745B-2

Alignment Scores:

Pred. No.: 1.42e+04 Length: 2533
Score: 283.00 Matches: 57
Percent Similarity: 32.05% Conservative: 18
Best Local Similarity: 54.36% Mismatches: 13
Query Match: 53.20% Indels: 146
DB: 4 Gaps: 51

US-09-854-133-586 (1-97) x US-08-861-745B-2 (1-2533)

QY 1 Glu-----ValGluVal-----Ser---Arg-----Asp----- 7
DB 2137 CAGTGACTAAGAGCAAGACAGGGGTCTCAAGGGCCGCATGAAGAAGATCCAGCTGTA 2078
QY 8 -----HisAla---SerLeu-----Gly---Asp-----Ser----- 14
DB 2077 GGCCTTCAGCTCAACACTCTGACACTGGGATGGGAGCTGGGGTGGCGGTGTACAGG 2018
QY 15 GluThrLeuSerGln---ThrGluLeuArg-----LysLys---GluArgLys 28
DB 2017 GAA-----GCTCAAGGAGATGAATTAAGGTTCCCTCGGGAGGAGCTCTGAGAGGAA 1964
QY 29 -----LysLysArgGluArgLysPheGlnAla---AsnCys-----Gly 40
DB 1963 GATGCTGGGCATGCCACAGAGAGAG-----GCTCTGAAGTGTCAACCCAGGA 1916
QY 41 -----IleAspPheIle---IlePheTrp-----IlePheTrp----- 51
DB 1915 GATCAGTAGAT---CTAAGAGTTTGGTGGCTGGGGTCTGTGGGGGCAGGGGTGCA 1859
QY 52 Leu-----Leu---Phe-----Ser----- 56
DB 1858 CTTCCAGGGCTGGGCTTCGGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1799
QY 57 HisTrpIleGlnGlu---Ser---Leu-----Leu----- 64
DB 1798 CAGCTCTCAAGAGGCACTCTTTCTAGGATGGCGGCTCTCATGTGTCGTACTTCTGGA 1739
QY 65 -----Cys-----Pro---Pro-----SerPro-----Lys 70
DB 1738 AGAGTGTGTATACTCCACAGCCGCTGTTGCAGCTCTAAGTCCACAGCTCCCGTAGA 1679
QY 71 -----GluValThrCysArgGluMetLeuThrGly---GlyCys----- 82
DB 1678 TGGACACCACCTGGCGAATACGATTGT-----TGCTCCCGGAGTGGGTGCTCAGCT 1625
QY 83 -----Leu-----Pro---Trp---Ala-----Thr----- 87
DB 1624 TCATGAGGCTGTGATGCGGTAGCCCGAGTGGTGGCGAGGACATATGGAGCTGCAGCA 1565
QY 88 -----Arg-----Ser-----His 90
DB 1564 CCTTTTCCAGAGTGCTAGCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1505
QY 91 -----Leu-----Gly---Arg---ArgLysCysSer 97
DB 1504 AGTTACCTTCCAGCAGGAGGTCCCATACTCGCCAAATGCACC 1463

RESULT 2

US-08-424-788-1

; Sequence 1, Application US/08424788

; Patent No. 5716804

; GENERAL INFORMATION:

; APPLICANT: Moore, Kevin W.

; APPLICANT: Wei, Sherry

; APPLICANT: Ho, Alice Suk-Yue
; TITLE OF INVENTION: MAMMALIAN INTERLEUKIN-10 (IL-10)
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,788
; FILING DATE: 19-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0501
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
; NAME/KEY: mat peptide
; LOCATION: 128..1807
; US-08-424-788-1

Alignment Scores:

Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 1 Gaps: 62

US-09-854-133-586 (1-97) x US-08-424-788-1 (1-3520)

QY 1 Glu-----ValGluValSerArg-----Asp-----HisAla 9
DB 2001 GATGAGGGTCTGTAGATACCACAGAGCTGACAGAGATTGACAGACCTCCTCATGCC 2060
QY 10 Ser-----Leu-----Gly----- 12
DB 2061 TCAGGGCTGGCTCTACACTGGAGGACCTGTCTTGGGGTGTAACTCAGGGCTTCTGG 2120
QY 13 -----Asp-----SerGlu---Thr-----LeuSer---GlnThr---Glu 21
DB 2121 ATGTGTTAAGACTAGTCTAGGTCTGAAGTCAGCTGAGCTGAGCTGCTCGGAGGTGTGGAG 2180
QY 22 ---Leu-----Arg---Lys-----LysGluArg---Lys---Lys--- 29
DB 2181 TGCTAGCCTGTCTACAGGATAAAGGAAGGCTCAAG---AGATAGAAGGCGCAGCATGA 2237
QY 30 ---Lys---:---Arg---Glu-----Arg----- 33
DB 2238 GCCAGGTTTAATTTTCTCTGTAGATAGTGTCCCGCAGCCAGGATGGTTACTTGTGGCTG 2297
QY 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39


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Qy 61 Glu---Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGCTGCTTTTGTCTTAATCTCTAACTCGACAGCCAGAGAACAGAGGCTGCTGG 2654
Qy 66 -----ProPro---Ser-----Pro-----Lys 70
Db 2655 CTGACACCTCCGGTTCAGCTGTGTGACCTCCGACCCAGAGCTTCTCAGGGAGCTAAAAA 2714
Qy 71 -----GluVal-----Thr---Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGGTCAATTCAGAGTCCCTCATGCTGAATGTTAACCAAG----- 2762
Qy 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC-----CCCTGGGGTGATAGTTTAGGTCTGCTGCAACCTCTGGGTGGAAGGAAGT 2813
Qy 88 -----Arg-----Ser---HisLeu---Gly-----ArgArg 94
Db 2814 GGACTACGAAAGCCATCTCTCCCTGGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873
Qy 95 LysCys---Ser 97
Db 2874 TCTTGGGGAGC 2885

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RESULT 4

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US-08-477-166-3
; Sequence 3, Application US/08477166
; Patent No. 5863796
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Tan, Jimmy C.
; APPLICANT: Chou, Chuan-Chu
; TITLE OF INVENTION: Mammalian Receptors for Interleukin-10
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,166
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,683
; FILING DATE: 23-AUG-1993
; APPLICATION NUMBER: US 08/011,066
; FILING DATE: 29-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0335K1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
US-08-477-166-3
Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 2 Gaps: 62
US-09-854-133-586 (1-97) x US-08-477-166-3 (1-3520)
Qy 1 Glu-----ValGluValSerArg-----Asp-----Hisala 9
Db 2001 GAGTGAGGCTCTGTAGATACCAAGAGAGCTGAGCAGAGGATTGACAGAGACCTCTCATGCC 2060
Qy 10 Ser-----Leu-----Gly----- 12
Db 2061 TCAGGGCTGGCTCTACACTGGAAGAGACCTGTGTGGTGTAACTCAGGGCTTTCGG 2120
Qy 13 -----Asp-----SerGlu---Thr-----LeuSer---GlnThr---Glu 21
Db 2121 ATGTGGTAAGACTGTAGGTCTGAAGTCAGCTGAGCTGGATGCTCGGAGGTGTGGAG 2180
Qy 22 ---Leu-----Arg---Lys-----LysGluArg---Lys---Lys--- 29
Db 2181 TGGCTAGCCTCTACAGGATAAAGGAAGGCTCAAG---AGATAGAAGGGCAGAGCATGA 2237
Qy 30 ---Lys-----Arg---Glu---Arg----- 33
Db 2238 GCCAGGTTTAATTTTGTCTGTAGAGATGGTCCCAGCCAGGATGGTTACTTGTGGCTG 2297
Qy 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39
Db 2298 GGAGATCTTGGGGTATACACACCCTGAATGATCAGCCAGTCATTCAGAGCTGTGGC 2357
Qy 40 -----Glvile----- 41
Db 2358 AAAAGGGACTGAGACCCAGAAATTTCTCTCTTGTGAGGTGTCTCTGTACCATCTG 2417
Qy 42 -----Asp---PheIleIlePhe---Trp-----Ile---Phe---Trp 50
Db 2418 CAGACAGACATCTTC---ATCTTTTACTATGGCTGTGTCCTCGAATTCACAGAGTGG 2474
Qy 51 -----IleLeuLeu----- 54
Db 2475 CCAAGCCATTACTCCCTGCTGCTCACTGTGTGACGTGACAGCAGACAGCGCTGTCTG 2534
Qy 55 Ser-----HisHis-----Trp-----Ile---Gln----- 60
Db 2535 TCTGTGTGTAGTACACTACCCCTTAGTGGGCTTTGAGCCTTGAGCAGCTGGCCAGCTTAG 2594
Qy 61 Glu---Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGCTGCTTTTGTCTGCTTAATCTTAATGACAGCCAGAGAACAGGGTGTCTGGG 2654
Qy 66 -----ProPro---Ser-----Pro-----Lys 70
Db 2655 CTGACACCTCCGGTTCAGCTGTGTGACCTCCGACCCAGAGCTTCTCAGGGAGCTAAAAA 2714
Qy 71 -----GluVal-----Thr---Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGGTCAATTCAGAAAGTCCCTCATGCTGAATGTTAACCAAG----- 2762
Qy 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC-----CCCTGGGGTGATAGTTTAGGTCTGCTGCAACCTCTGGGTGGAAGGAAGT 2813
Qy 88 -----Arg-----Ser---HisLeu---Gly-----ArgArg 94

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Db 2814 GGACTACGGAAGCCATCTGTCCCTCGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873

QY 95 LysCys---Ser 97

Db 2874 TCTTGTGGGAGC 2885

RESULT 5

US-08-472-097-3
; Sequence 3, Application US/08472097
; Patent No. 5985828
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Tan, Jimmy C.
; APPLICANT: Chou, Chuan-Chu
; TITLE OF INVENTION: Mammalian Receptors for Interleukin-10
; TITLE OF INVENTION: (IL-10)
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,097
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,683
; FILING DATE: 23-AUG-1993
; APPLICATION NUMBER: US 08/011,066
; FILING DATE: 29-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0335K1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
; US-08-472-097-3

Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 2 Gaps: 62

US-09-854-133-586 (1-97) x US-08-472-097-3 (1-3520)

QY 1 Glu-----ValGluValSerArg-----Asp-----Hisala 9

Db 2001 GATGAGGGTCTGTAGATACACGACGAGTGACGAGATTGACAGACCTCTCTATGCC 2060

QY 10 Ser-----Leu-----Gly----- 12

Db 2061 TCAGGGCTGGCTCCTACACTGGAAGGACCTGTGTTGGGTGTAACCTCAGGGCTTTCTGG 2120

QY 13 -----Asp-----SerGlu-----Thr-----LeuSer-----GlnThr-----Glu 21

Db 2121 ATGTGTAAGACTGTAGTCTGAAGTCAGCTGAGCCTGGATGTCTCGGAGGTGTTGGAG 2180

QY 22 ---Leu-----Arg-----Lys-----LysluArg-----Lys-----Lys----- 29

Db 2181 TGGCTAGCCTGTACAGGATAAAGGAAGGCTCAAG---AGATAGAAGGCAGAGCATGA 2237

QY 30 ---Lys-----Arg-----Glu-----Arg----- 33

Db 2238 GCCAGGTTTAATTTTCTCTGTAGAGATGGTCCCAGCAGGATGGGTACTTGTGGCTG 2297

QY 34 ---Lys-----Phe-----Gln-----AlaLen-----Cys----- 39

Db 2298 GGAGATCTGGGTATACACACCCTGAATGATCAGCCAGTCAATTGAGAGCTGTGTGGC 2357

QY 40 -----Glylle----- 41

Db 2358 AAAAGGAGCTGAGACCCAGAAATTTCTTCTCTGTGAGGTGTCTGTACCCATCTG 2417

QY 42 -----Asp-----PheIlellePhe-----Trp-----Ile-----Phe-----Trp 50

Db 2418 CAGACAGACATCTTC---ATCTTTTACTATGCTGTGCTCCCTGATTAATTACAGCAGTGG 2474

QY 51 -----IleLeuLeu----- 54

Db 2475 CCAAGCATTACTCCCTGCTGCTCACTGTTTGACGTGACACCAGACAGACCGCTGTCTG 2534

QY 55 Ser-----HisHis-----Trp-----Ile-----Gln----- 60

Db 2535 TCTGTGTAGTACATACCTTTAGTGGGCTTTGGCTTGAGCAGTGGCCAGGCTTAG 2594

QY 61 Glu-----Ser-----LeuLeu-----Cys----- 65

Db 2595 GACTTATGCTGCTTTTGTGCTAATCTCTAAGTGCAGACCCAGAGACAGGGTGTGGG 2654

QY 66 -----ProPro-----Ser-----Pro-----Lys 70

Db 2655 CTGACACCTCCGTGTCAGCTGTGTGACCTCCGACCCAGCAGCTTCTCAGGGGACTAAA 2714

QY 71 -----GluVal-----Thr-----Cys-----ArgGluMetLeuThr 79

Db 2715 TAATGACTAGTCAATTCAGAAGTCCCTCATGTGTAATGTTAACCAAGG----- 2762

QY 80 GlyGlyCysLeuProTrp-----AlaThr----- 87

Db 2763 -----TGC-----CCCTGGGTGATAGTTTAGTCTCTCAACCTCTGGTGGAGGAAGT 2813

QY 88 -----Arg-----Ser-----HisLeu-----Gly-----ArgArg 94

Db 2814 GGACTACGGAAGCCATCTGTCCCTCGGGAGGCTTCCACCTCATGCGCAGTGTTCAGAGA 2873

QY 95 LysCys-----Ser 97

Db 2874 TCTTGTGGGAGC 2885

RESULT 6

US-09-439-672-3
; Sequence 3, Application US/09439672
; Patent No. 6423500
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando

TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US93-11638-3

Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 5 Gaps: 62

US-09-854-133-586 (1-97) x PCT-US93-11638-3 (1-3520)

Qy 1 Glu-----ValGluValSerArg-----Asp-----Hisala 9
Db 2001 GAGTGAGGCTCTGTATACACAGAGCTGAGCAGGATGACAGAGACCTCTCATGCC 2060
Qy 10 Ser-----Leu-----Gly----- 12
Db 2061 TCAGGGCTGGCTTACACTGAAGACCTGTGTTGGTGTAACTCAGGCTTTCTGG 2120
Qy 13 -----Asp-----SerGlu-----Thr-----LeuSer-----GlnThr---Glu 21
Db 2121 ATGTGTAAGACTGTAGGTCTGAAGTCAGCTGAGCTGTGATCTCTGCGGAGGTGTGGAG 2180
Qy 22 ---Leu-----Arg---Lys-----LysGluArg---Lys---Lys----- 29
Db 2181 TGGCTAGCCTGTACAGGATAAGGAAGGCTCAAG---AGATAGAAGGCGCAGAGCATGA 2237
Qy 30 ---Lys-----Arg---Glu-----Arg----- 33
Db 2238 GCCAGTTTAAATTTGTCTGTAGAGATGCTCCCGACGACGATGGTACTTGTGGCTG 2297
Qy 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39
Db 2298 GGAGATCTTGGGGTATACACCACCTGAATGATCAGCCAGTCAATTTCAGAGCTGTGGC 2357
Qy 40 -----Glyile----- 41
Db 2358 AAAAGGGACTGAGACCCAGAAATTTCTGTCTCTTGTGAGGTGTCTCTGCTACCATCTG 2417
Qy 42 -----Asp---PheIleIlePhe-----Trp-----Phe-----Trp 50
Db 2418 CAGACAGACATCTTC---ATCTTTTACTATGCTGTGCTCCCTGAATACAGCAGTGG 2474
Qy 51 -----IleLeuLeu-----Phe 54
Db 2475 CCAAGCCATTACTCTCTCTGTCTACTGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 2534
Qy 55 Ser-----HisHis-----Trp-----Ile---Gln----- 60
Db 2535 TCTGTGTAGTACTACCTCTTGTAGTGGCTTTGGTGGCTTTGAGTGTGAGTGTGAGTGTGAGTGTG 2594
Qy 61 Glu---Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGTCTGCTTTTGTCTGTCTATCTCTAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 2654
Qy 66 -----ProPro---Ser-----Pro----- 70
Db 2655 CTGACACCTCGGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 2714
Qy 71 -----GluVal-----Thr-----Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGTGTATTCAGAAAGTCCCTCATCTGTAATGTTAAACCAAGG----- 2762
Qy 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC---CCCTGGGGTGATGATTTAGTGTCTGCAACCTCTGGTGTGAGAGGAAGT 2813
Qy 88 -----Arg-----Ser---HisLeu---Gly---ArgArg 94
Db 2814 GGACTACGGAAGCATCTGTCCCTCGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873

Qy 95 LysCys-----Ser 97
Db 2874 TCTTGTGGGAGC 2885

RESULT 8
US-08-444-734A-1
; Sequence 1, Application US/08444734A
; Patent No. 5610282
; GENERAL INFORMATION:
; APPLICANT: Sibley, David R.
; APPLICANT: Monma, Frederick J.
; APPLICANT: Mahan, Lawrence C.
; APPLICANT: McVittie, Loris D.
; TITLE OF INVENTION: cDNA encoding the rat D1 dopamine
; TITLE OF INVENTION: receptor linked to adnylyl cyclase activation and
; TITLE OF INVENTION: expression of the receptor protein in plasmid-transfected
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,734A
; FILING DATE:
; CLASSIFICATION: 530
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/029,917
; FILING DATE: 03-MAR-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/548,714
; FILING DATE: 06-JUL-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: NIH065.001FW1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 760-0404
; TELEFAX: (714) 760-9502
; INFORMATION FOR SEQ ID NO: 1:
; LENGTH: 3025 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: pB73D1
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 293..1756
; US-08-444-734A-1

Alignment Scores:
Pred. No.: 2.88e+04 Length: 3025
Score: 282.50 Matches: 57
Percent Similarity: 29.73% Conservative: 20
Best Local Similarity: 22.01% Mismatches: 11
Query Match: 53.10% Indels: 171
DB: 1 Gaps: 62

US-09-854-133-586 (1-97) x US-08-444-734A-1 (1-3025)

PRIOR APPLICATION NUMBER: US 60/119,917
PRIOR FILING DATE: 1999-02-12
NUMBER OF SEQ ID NOS: 1304
SOFTWARE: Patent.pm
SEQ ID NO 319
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-374-261 : polymorphic base G or A
NAME/KEY: misc binding
LOCATION: 502_521
OTHER INFORMATION: 12-374-261.misl, potential complement
NAME/KEY: misc binding
LOCATION: 482..500
OTHER INFORMATION: 12-374-261.mis2
NAME/KEY: primer bind
LOCATION: 741..751
OTHER INFORMATION: upstream amplification primer, complement
NAME/KEY: primer bind
LOCATION: 262..280
OTHER INFORMATION: downstream amplification primer
NAME/KEY: misc binding
LOCATION: 489..513
OTHER INFORMATION: 12-374-261 potential probe
US-09-641-638-319

Alignment Scores:
Pred. No.: 449 Length: 1001
Score: 282.00 Matches: 60
Percent Similarity: 33.93% Conservative: 16
Best Local Similarity: 26.79% Mismatches: 11
Query Match: 53.01% Indels: 137
Gaps: 49

US-09-854-133-586 (1-97) x US-09-641-638-319 (1-1001)
QY 1 GluValGlu-----ValSerArgAspHisala---SerLeu-----Gly---AspSer 14
Db 128 GAGCAGAGCTTGCAGTGACGCCAATCGCCACTCCAGCTGGGTGACAGGC 187
QY 15 GluThrLeuSerGlnThrGluLeuArgLys---LysGluA:rgLys----- 28
Db 188 GAGACTCTGTCTCA--AAA--AAGAAAAAAGAAAGAAACTGGTGCAGTCAC 241
QY 29 ---LysLysArgGlu-----Arg---LysPheGln----- 36
Db 242 CCAGAGAGAGGAAGGGCAGCGGACAGGACAGAGAAA---CAGTGTATACCACCGACT 298
QY 37 Ala-----Asn-----Cys-----Gly 40
Db 299 GCGTTCTCCATTTCACAAGAATCCAAAGCTCCAAGAGGGGAAGTGTCTTTGTCTGA 358
QY 41 Ile---AspPheIlelle-----PheTrpIlePheTrpIleLeu---LeuPhe 54
Db 359 GCCTCGAG---CTGTAGGTAGAGCCTTACTGGCCC---TGGTCTGGGGCTG--- 409
QY 55 Ser-----His-----ProSerProLysGlu-----Val----- 72
Db 410 GATGAGAGAGAGGGGAGGCCCATGTGTGTAGGGCACCTCTTGCAT---GTCCAG---AGC 463
QY 63 LeuLeuCys-----ProSerProLysGlu-----Val----- 72
Db 464 CTAGCTTGTCTTCAGACCT-----CCTCAAGAGAGAGAGAGRGTTTGAAGATGCC 517
QY 73 -----Thr-----Cys-----Arg----- 75
Db 518 GGAAGCCAAAACCTGTTCTTCTCCACTTCTTGTGTTATTTCTTAAGCAGGAAAAGACT 577
QY 76 -----Glu---MetLeu---Thr---Gly-----Cys 82

RESULT 9
US-09-641-638-319
Sequence 319, Application US/09641638
Patent No. 6432648
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Bougueleret, Lydie
APPLICANT: Chumakov, Ilya
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
FILE REFERENCE: GENSET-051CP1
CURRENT APPLICATION NUMBER: US/09/641,638
PRIOR FILING DATE: 2000-08-16
CURRENT APPLICATION NUMBER: US 09/502,330
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US 09/275,267
PRIOR FILING DATE: 1999-03-23

Db 578 TCGTGTATTAGCAACCAAGGCATGCTAGATACCTTGTGTAATTCATACATACATATGT 637
 Qy 83 Leu-----Pro-Trp-----AlaThr-----Ar 88
 Db 638 CTCACATCATGTTTTCAGAGGTGGAACTGAGGCTAAGAACGTAAGCGACTTGTCCAA 697
 Qy 88 gSerHis-----LeuGly-----Arg-----Lys-- 95
 Db 698 GTACACACAGCTTGTGAATGTAAGGTGGGACTTGGCGAGGCTGTGAATGACTCCAAATG 757
 Qy 96 ----CysSer 97
 Db 758 CCTGTGCTCT 767

RESULT 10

US-07-925-695-4

; Sequence 4, Application US/07925695

; Patent No. 5428145

; GENERAL INFORMATION:

; APPLICANT: OKAMOTO, Hiroaki

; APPLICANT: NAKAMURA, Tetsuo

; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,

; TITLE OF INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND

; TITLE OF INVENTION: DETECTION SYSTEMS

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESS: Beveridge, Degrandi, Weilacher & Young

; STREET: 1850 M Street, N.W., Suite 800

; CITY: Washington

; STATE: D.C.

; COUNTRY: US

; ZIP: 20036

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/925,695

; FILING DATE: 19920807

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 287402/91

; FILING DATE: 09-AUG-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 360441/91

; FILING DATE: 05-DEC-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Weilacher, Robert G.

; REGISTRATION NUMBER: 20,531

; REFERENCE/DOCKET NUMBER: 06/87-48009

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 659-2811

; TELEFAX: (202) 659-1462

; TELEX: WUI 64470

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2693 base pairs

; TYPE: NUCLEIC ACID

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-07-925-695-4

Alignment Scores:

Prod. No.: 2,09e+04

Score: 281.00

Length: 2693

Matches: 64

Conservative: 14

Mismatches: 13

Indels: 179

Query Match: 52.82%

DS: 1

US-09-854-133-586 (1-97) x US-07-925-695-4 (1-2693)

Qy 1 GluValGluValSer-----Arg-----Asp-----His-----AlaSer-----Leu 11
 Db 1807 AAA--AAAGTAACCTTTTGTATAGGATCAAGCGCTCGACGCTCATTATGACTCAGTCTTG 1863
 Qy 12 GlyAsp-----SerGlu-----Thr-----LeuSerGlnThr----- 20
 Db 1864 AAGCACATTAAGCTAGCGGCTCCAAAGGTCAACGCAAGGCTTCTC-----ACTTTAGAG 1917
 Qy 21 Glu-----Leu-----Arg-----Lys----- 25
 Db 1918 GAGCCCTGCCAGTTTACTCCACCCCTCTGCAAGATCCAAAGTATGGGTTGGGGCTAG 1977
 Qy 26 Glu-----Arg-----Lys----- 30
 Db 1978 GAGTCCGACGCTTGTCCGGGAGAGCGGTTAACCAATCAAGTCCGCTGTGGAAGGACCTC 2037
 Qy 31 ArgGlu-----ArgLys-----Phe-----Gln-----Ala-----AsnCys----- 39
 Db 2038 CTGAGAGACACACAAACACCAATTTCTACCAACATCATGGCCCAAAATGAGGTGTTCTGC 2097
 Qy 40 -----GlyIle-----AspPheIle-----Ile-----Phe----- 46
 Db 2098 GTGCACCCCAACCAAGGGGGTAAAGAAAGCAG-----CTGCGCTTATCGTTTACCCTGACCTC 2154
 Qy 47 -----Trp-----Ile-----Phe----- 49
 Db 2155 GGGTCAGGGTCTCGAGAAATGGCCCTTTATGATATCATCAACAAAGCTTCTCAGCG 2214
 Qy 50 -----Trp-----IleLeu-----Leu-----PheSer----- 55
 Db 2215 GTGATGGGGCTTCTTATGATTCCAGTACTCCCCGCTCAGCGGGTGGAGTTCCTCTTG 2274
 Qy 56 -----His-----Trp-----Ile----- 59
 Db 2275 AAGCATGGGGGGAAGAAAGAACCCCTATGGGTTTTTGTATGATACCCGATGCTTTGAC 2334
 Qy 60 Gln-----Glu-----Ser-----Leu----- 65
 Db 2335 TCAACCTCTACTGAGAGACATCAGGACTCAGAGTCCATATATCGGGCTTGTCTCTTG 2394
 Qy 65 sPro-----ProSer-----LysGluValThr----- 73
 Db 2395 CCCGAGGAGGCCACACTGCCATACACTCTACTGCTGAGAGACTTTACGTGGGAGGGGCC 2454
 Qy 74 -Cys-----Arg-----GluMetLeu-----ThrGly-----GlyCysLe 83
 Db 2455 ATGTTCAACACAGCAAGGCGCAGACCTGGGGTACAGGCGTTTCCGCGCCAGCGGGTCTT 2514
 Qy 83 upro-----TrpAlaThrArgSerHis----- 91
 Db 2515 ACCACTAGCATGGGGAACACCATCATGCTATGTGAAGCCTTAGCGGCTGTAGGCT 2574
 Qy 91 u-----Gly-----Arg-----ArgLysCys 96
 Db 2575 GCAGGGATATTGGCCCAAA---TGC 2599

RESULT 11

US-09-018-628-17/c

; Sequence 17, Application US/09018628

; Patent No. 5917019

; GENERAL INFORMATION:

; APPLICANT: de Lange, Titia

; APPLICANT: van Steensel, Bas

; APPLICANT: Bianchi, Alessandro

; TITLE OF INVENTION: AN ALTERED TELOMERE REPEAT BINDING

; TITLE OF INVENTION: FACTOR AND THERAPEUTIC USE THEREOF

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.

; STREET: 411 Hackensack Ave, Continental Plaza, 4th

; CITY: Hackensack

; STATE: New Jersey

[illegible]

RESULT 12
US-09-273-378-17/c
; Sequence 17, Application US/09273378
; Patent No. 6020166
; GENERAL INFORMATION:
; APPLICANT: de Lange, Titia
; APPLICANT: van Steensel, Bas
; APPLICANT: Bianchi, Alessandro
; TITLE OF INVENTION: AN ALTERED TELOMERE REPEAT BINDING
; TITLE OF INVENTION: FACTOR AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hacksack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hacksack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/273,378
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/018,628
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-191 CIP
; TELECOMMUNICATION INFORMATION:


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; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2907 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; HYPOTHEetical: NO
US-09-273-378-17

Alignment Scores:
Pred. No.: 3.14e+04
Score: 279.50
Percent Similarity: 24.57%
Best Local Similarity: 20.57%
Query Match: 25.54%
DB: 3
US-09-854-133-586 (1-97) x US-09-273-378-17 (1-2907)
Length: 2907
Matches: 72
Conservative: 14
Mismatches: 6
Indels: 258
Gaps: 53

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QY	1	GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer	14
Db	1798	GAGACGAGGTCCGACGTGACGCCGAGATCACGCCACTGCACCTCAGCCTGGTGTGCACAGAC	1739
QY	15	GluThrLeuSerGlnThrGluLeuArgLysLysGluArgLysLysLysArgGluArg---	33
Db	1738	GAGACTCTGTCTCAA-----AAAAA-----AAAAAAGAAAGAAAGACA	1691
QY	33	-----	-----33
Db	1690	GACTATCAGCGCTATTATTATGACATCCATCTCCTCTCTCATTTCTCTCAATATCAATCAAGCCT	1291

Db	1690	GACTATCAGGGGTATTATTAGGAACCATGCTCTCTGTAATCTGTGGAATGAAGCCT	1631
Qy	34	-----lys---PheGln-----Ala-----Asn-----Cys	39
Db	1630	GTTTCAGTTCATGCCAAGCTTTTTCATGTTCGCCGCGCATCTTAAATCATCACAGTG	1571
Qy	40	-----Gly-----Ile-----	41
Db	1570	TCGGTTAACAAATGGGTAAATTTTGAAGATGGCAGCCAGTTTCCTCCCATCAATTTCTG	1511

DB	1570	TCGGTTAACAAATGGGTAATTTT	AGAAATGGCAGCCAGTCTCT	CCCCCATATTTCTG	1511
QY	42	-----Asp-----	-----Phe-----	-----IleIlePhe-----	TrpIle 48
DB	1510	CAC TC CAG C C G C T T C A C C C A C T C G G T T C T C T	T C T A C A G T C C A C T T C G T	TTTTTTTGTTATATT	1451
QY	49	-----Phe--Trp-----	-----Ile--Leu-----	-----LeuPheSerHis	56
DB	1450	GGTTGAC T G T C T T C A T C A T G G G T C G C T G C C A G A C T	T G A A C A G A C T T C A T C G T C T C	---CAC	1394

Qy	49	-----Tpe-----Trp-----Leu-----LeupheserHis	56
Qy	50	-----Phe-----Ile-----Lys-----Lys	57
Db	1450	GTTGTACTGTCATCTGGTGCGCTGCCTGAACAGTTCATCCTTC-	1394
Qy	57	-----His-----	57
Db	1393	CCAAGTCTCCTTTTTTCAACCCCATTAGAGCTGTGCCACTTGCTTGGTACTTTGGG	1334
Qy	58	-----Trp-----Ile-----	59

1333	Db	AMTCTTCTCAGGGAGGGTTGTTTGAGAACGGCTGGGCTTGGATGGTGGCGCTGAAGC	1274
QY	60	-----GlnGlu-----Ser--	62
1273	Db	GGCTCTGGGAGAGTTGAGGCTCGCTGGGCTCACTCTGGGTGTCTCTCCAA	1214
QY	63	-----Leu--Leu--Cys-----ProProSerPr	69
1213	Db	GACCAATCTGCTTAAATGTCATGGCTTGTTCTTTGGCTGCAGTCCGAGCCACCTCACC	1154
QY	69	oLys-----Glu-----	71

[illegible]

Best Local Similarity: 20.57%
Query Match: 52.54%
DB: 4

Mismatches: 6
Indels: 258
Gaps: 53

US-09-854-133-586 (1-97) x US-09-018-635-26 (1-2907)

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Qy 1 GluValGlu-----ValSerArgAspHisAla-----SerLeu-----Gly---AspSer 14
Db 1798 GAGACGGAGGTGCGAGTGCAGCCAGATCAGCCACTGCTCAGCTCGGGTGACAGAGC 1739

Qy 15 GluThrLeuSerGlnThrGluLeuArgLysLysGluArgLysLysArgGluArg--- 33
Db 1738 GAGACTCTGTCTCAA-----AAAAA-----AAAAA-----AAAAA----- 1691

Qy 33 ----- 33
Db 1690 GACTATCAGGGGCTATTATTAGGAACCATGCTCTGTGAAATCTGTGGAATGAAGCCT 1631

Qy 34 -----Lys---PheGln-----Ala-----Asn-----Cys 39
Db 1630 GTTTCAGTTCATGCCAAGCTTTTTCATGTCGCGCAGCGATCCTTAATCATCACAGCTGT 1571

Qy 40 -----Gly-----Ile----- 41
Db 1570 TCGGTTAAACAATGGGTAAATTTTAAAGAAATGGCAGCCAGTTCCTTCCCATATTCTG 1511

Qy 42 -----Asp-----IleIlePhe---TrpIle 48
Db 1510 CACTCCAGCCCTGACCCACTCGCTTCTTCTACAGTCCACTCTGCTTTTGTATATT 1451

Qy 49 -----Phe---Trp-----Ile---Leu-----LeuPheSerHis 56
Db 1450 GGTGTACTGTCTTTCATCTGCTGCTGCTGAACCTGAACAGTTCATCTCTTC---CAC 1394

Qy 57 -----His----- 57
Db 1393 CCAAGTCTCCTTTTTCACCCCAATWAGAGTGTTCCACTTGCCTTTGGGTACTTTGGG 1334

Qy 58 -----Trp-----Ile----- 59
Db 1333 ATCTCTCTCCAGGAGGGGTGTTGAGAACGCTGGGCTTGGATGGTGGCGTGAAGC 1274

Qy 60 -----GlnGlu-----Ser-- 62
Db 1273 GGCCTCCTGGGAGAGTTGAGCCTCGCTGGGCTCAGTACTCTGGCTGCTCTCTCAA 1214

Qy 63 -----Leu---Leu---Cys-----ProProSerPr 69
Db 1213 GACCAATCTGCTTATTGTCATGCGCTTCTTCTGGGCTGCAGTCCGAGCCACCTCACC 1154

Qy 69 oLys-----Glu----- 71
Db 1153 GTCAGCGGGGCTGAATCTTCTGTTTCATCTTTCTGGGCTCTTGTGTTTGGGGCTGG 1094

Qy 72 -----Val-----Thr----- 73
Db 1093 TCATCTCTGGAGAGCTTGAGTAGGAAGAACAGATCCTTCTGCTCAGATTGTGAAAGGC 1034

Qy 74 -----Cys-----Arg-----Glu----- 76
Db 1033 TGCCTCAGAACTCTGTGCACAGACAGAGTCTTGAAGCTGCTTTCAGAGTCATCTCC 974

Qy 77 -Met-----Leu-----Thr-- 79
Db 973 AATGTGTGTTGAGGATTCGTTAGTGCCTTGGGGTCTCTGGGTGCTTTTCCACAGG 914

Qy 80 -----Gly---GlyCysLeu-----Pro---Trp-----Ala---Thr-----Ar 88
Db 913 CCCTGGTCTGGCTGTTTATCTTCTTCTGTAATCTTCTGAGGAGCGGACTCAGATTTCAA 854

Qy 88 gSerHisLeu-----Gly-----Arg----- 95
Db 853 AGCCTTTTGGCCATCGTGAGAGGTAGGGCTCGCGCGTATCCAGGTGGCTCTCCAGGAA 794
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Qy 95 s-----Cys-----Ser 97
Db 793 GCGCAGCATCTTCTGCTGGAAGGTCTCA 766

RESULT 14

US-09-467-642-3/c
Sequence 3, Application US/09467642
Patent No. 6300132
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2 EXPI
FILE REFERENCE: RTS-0106
CURRENT APPLICATION NUMBER: US/09/467,642
CURRENT FILING DATE: 1999-12-20
NUMBER OF SEQ ID NOS: 89

SEQ ID NO 3

LENGTH: 2907

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (125)..(1627)

NAME/KEY: unsure

LOCATION: 1894

OTHER INFORMATION: unknown

NAME/KEY: unsure

LOCATION: 1990

OTHER INFORMATION: unknown

NAME/KEY: unsure

LOCATION: 2388

OTHER INFORMATION: unknown

NAME/KEY: unsure

LOCATION: 2506

OTHER INFORMATION: unknown

NAME/KEY: unsure

LOCATION: 2509

OTHER INFORMATION: unknown

US-09-467-642-3

Alignment Scores:

Pred. No.: 3.14e+04 Length: 2907
Score: 279.50 Matches: 72
Percent Similarity: 24.57% Conservative: 14
Best Local Similarity: 20.57% Mismatches: 6
Query Match: 52.54% Indels: 258
DB: 4 Gaps: 53

US-09-854-133-586 (1-97) x US-09-467-642-3 (1-2907)

```
Qy 1 GluValGlu-----ValSerArgAspHisAla-----SerLeu-----Gly---AspSer 14
Db 1798 GAGACGGAGGTGCGAGTGCAGCCAGATCAGCCACTGCTCAGCTCGGGTGACAGAGC 1739

Qy 15 GluThrLeuSerGlnThrGluLeuArgLysLysGluArgLysLysArgGluArg--- 33
Db 1738 GAGACTCTGTCTCAA-----AAAAA-----AAAAA-----AAAAA----- 1691

Qy 33 ----- 33
Db 1690 GACTATCAGGGGCTATTATTAGGAACCATGCTCTGTGAAATCTGTGGAATGAAGCCT 1631

Qy 34 -----Lys---PheGln-----Ala-----Asn-----Cys 39
Db 1630 GTTTCAGTTCATGCCAAGCTTTTTCATGTCGCGCAGCGATCCTTAATCATCACAGCTGT 1571

Qy 40 -----Gly-----Ile----- 41
Db 1570 TCGGTTAAACAATGGGTAAATTTTAAAGAAATGGCAGCCAGTTCCTTCCCATATTCTG 1511

Qy 42 -----Asp-----IleIlePhe---TrpIle 48
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Db 1510 CACTCCAGCCTTGACCACTCGCTTCTTCTACAGTCCACTTCTGCTTTTCTTATATT 1451
QY 49 -----Phe---Trp-----Ile---Leu-----LeuPheSerHis 56
Db 1450 GGTGTTACTGCTTATCTGCTGCTCCGAACTTGAAACAGTTCATCTCTTC---CAC 1394
QY 57 -----His-----His-----His-----His-----His 57
Db 1393 CCAAGTCTCTTCTTCAACCCATTAGAGCTGTTCCACTTGCCTTTGGGTACTTTGGG 1334
QY 58 -----Trp-----Ile-----Ile-----Ile-----Ile 59
Db 1333 ATTCTTCTCCAGGAGGGTGTGTTGAGAACGGTGGCTTGGATGGTGGCTGAAGC 1274
QY 60 -----GlnGlu-----GlnGlu-----GlnGlu-----GlnGlu-----Ser-- 62
Db 1273 GGCCTCTCGGAGGAGTTGAGCCTCGCTGGCTCAGTACTCTGCTCTCTCTCCAA 1214
QY 63 -----Leu---Leu---Cys---Cys---Cys---Cys---ProProSerPr 69
Db 1213 GACCAATCTGTTATGTCTATGCTGCTTGTCTTGGCTGCAGTTCGAGCCACCTCACC 1154
QY 69 olys-----Glu-----Glu-----Glu-----Glu-----Glu 71
Db 1153 GTCAGCGGGCTGAATTTCTATCTTCTGCTGCTCTGTTTCTGAGGCTGG 1094
QY 72 -----Val---Thr-----Thr-----Thr-----Thr-----Thr 73
Db 1093 TGATGCTGGAGAGCTTGAGTAGGAGAACACAGATCTTCTGCTCCAGTTTTCGAAAGSC 1034
QY 74 -----Cys---Arg---Arg---Arg---Arg---Arg---Arg---Arg 76
Db 1033 TGCTCAGATCTGTGCACACAGAGATCTTGAAGCTGCTTTCAGAGTCAATCTCC 974
QY 77 -Met-----Leu-----Leu-----Leu-----Leu-----Leu 79
Db 973 AATGCTGTTGAGGATCCGTAGCTGCTTCTGCTGCTGCTTCTGCTGCTGCTTCCACAGG 914
QY 80 ---Gly---GlyCysLeu---Pro---Trp-----Ala---Thr-----Ar 88
Db 913 CCTGCTGCTGCTTATCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCA 854
QY 88 SerHisLeu-----Gly-----Gly-----Gly-----Gly-----Arg 95
Db 853 AGCCTTTTGGCCATCGTGAGGAGTAGGCTCGGCTCATCCAGTGCCTCCAGGAA 794
QY 95 s-----Cys-----Ser 97
Db 793 GCGCAGCATCTTCTGCTGAAGGTCTCA 766

RESULT 15

US-09-041-886-24/C
; Sequence 24, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Rabizadeh, Sharro
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4508 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..4342
; US-09-041-886-24

Alignment Scores:
Pred. No.: 1.67e+05 Length: 4608
Score: 279.50 Matches: 66
Percent Similarity: 25.00% Conservative: 18
Best Local Similarity: 19.64% Mismatches: 9
Query Match: 52.54% Indels: 243
DB: 4 Gaps: 71

US-09-854-133-586 (1-97) x US-09-041-886-24 (1-4608)

QY 1 Glu---Val---Glu---Val---SerArgAsp-----His-----Ala----- 9
Db 2049 GAATAGGTACACAGAGTTGTTGGCTC---CAGTGTTCATCTCACCCCTCGGGTCTGT 1993
QY 10 -----Ser---Leu---GlyAsp---SerGluThrLeu---Ser----- 18
Db 1992 CTTTCTGTGCGAATTTTATAGCCGTAATAATCC---ATTGTGTCTCTGATGAGG 1936
QY 19 ---Gln-----Thr-----Thr-----Glu---LeuArg 23
Db 1935 AGCAGCCAGCTAATCTTGTACTTCTTGAATTCACCATCTCCAGGAGAGCTTCGAGG 1876
QY 24 Lys---Lys---Glu---ArgLys---Lys-----LysArgGlu---Arg 33
Db 1875 CGGGCCACTTGGCAGCTCAGAAAGTAAACCACTGTATATCATCATAGTAGAGCCCGG 1816
QY 34 -----Lys-----Lys-----PheGlnAla----- 37
Db 1815 ACCATAGCGATTATAAGTAAGTAAGTAAGTAAGTAATTCGGTGAATTTTTCAGGCTTC 1756
QY 38 -----Asn-----CysGly----- 40
Db 1755 CAGTTTATAGATAGTCACTCACTTATATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1696
QY 41 -----Ile---AspPhe---Ile---Ile-----Phe----- 46
Db 1695 GCAGACAAATCTGTAACTTGGACTGGACCGTTTGATAGCAGGGGGTTCCTCCAGGTAAT 1636
QY 47 -----Trp-----IlePhe-----Trp----- 50
Db 1635 AAGAAATGAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGTAGGT 1576
QY 51 -----Ile---Leu-----Leu-----Phe----- 54
Db 1575 CACTCAGGCTGTGTGGCCACCTTGTATGGGTGTAGAACTCTCCCGTCCCATTCATT 1516
QY 55 ---SerHis-----His-----TrpIleGln-----GluSer 62
Db 1515 GTAAGCCACACTCGAAAGGTGTACATGGTCTTGGCTTCTGCTTCCAGTTTCCACAGTAG 1459
QY 63 Leu-----Leu-----Cys-----Pro----- 66

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Db 1458 CTGAAGGACCCAGGCTGTGTTGTAATCAAGCTCGTTCCTGTGTCACCTTCTCTGGA 1399
Qy 67 -----Pro-----SerPro----- 69
Db 1398 GAAAAGACCGTGAAAGTTTGAATGTTCCCTTTTCGCTTCTGCAGGTGGGGCCAGCTGAG 1339
Qy 70 -----Lys-----Glu---Val----- 72
Db 1338 ACGGACAAATCGGCTGGAACCAAGACAGGACCAATCTCTGGGAGCCGAGGAGGAC 1279
Qy 73 Thr-----Cys-----Arg-----GluMetLeu---ThrGly---Gly--- 81
Db 1278 ACTGGAGCTGGGATTGAGGCTTAGGACAAATGAG---CTGTGCACCTGTCTGGGCATT 1222
Qy 82 -----Cys-----Leu-----Pro--- 84
Db 1221 TCCAGCCTCATTTTCAGCCACACATGTGATAAAGCCTTCATCTGACTTCACCACCCCAAG 1162
Qy 85 Trp-----Ala-----ThrArg-----Ser 89
Db 1161 TATCCGTAAGTTGCTTCTCCCACTATCTCAAAATATCACTAGGAATGACCACATCTCC 1102
Qy 90 -----His---Leu-----Gly---Arg-----ArgLysCysSer 97
Db 1101 ATTCTTCATCCCAATTCACAGTGGGACAGGCTTCCAGAGACTGTACA 1054
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Search completed: May 11, 2003, 19:33:35
Job time : 49 secs

GenCore version 5.1.4_p5_4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 19:06:36 ; Search time 90 Seconds
(without alignments)
1339.360 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 532

Sequence: 1 EVEVSRDASHAGDETLTSLTQ.....ITGGCLPWATRSHLGRKCS 97

Scoring table: BIOSUM62
Xgapop 0.0 , Xgapext 0.5
Ygapop 0.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 73854 seqs, 621352466 residues

Total number of hits satisfying chosen parameters: 1556566

Minimum DB seq length: 0
Maximum DB seq length: 5000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-Q=/cgn2_1/USPTO_spool/US09854133/runat_05052003_174428_1338/app_query.fasta_1.263
-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blomsum62
-TRANS=human40.cgi -LIST=45 -DOCLALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0
-MAXLEN=5000 -USER=US09854133@cgn_1_1_91@runat_05052003_174428_1338 -NCPU=6
-ICPU=3 -NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=0 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=0 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	532	100.0	337	9	US-09-854-133-442
2	532	100.0	337	10	US-09-738-973-442
3	523	98.3	2239	9	US-09-854-133-440
4	523	98.3	2239	10	US-09-738-973-440

5	339.5	63.8	1861	9	US-10-163-866-30
6	339.5	63.8	2482	9	US-10-163-866-29
7	339	63.7	572	9	US-10-046-935-1307
8	339	63.7	572	9	US-09-878-178-1307
9	339	63.7	572	9	US-10-145-502-1307
10	298.5	56.1	1687	9	US-09-764-891-6421
11	298.5	56.1	1688	9	US-09-764-891-6422
12	296.5	55.7	2000	9	US-10-163-866-34
13	292.5	55.0	3995	10	US-09-919-497-9
14	287.5	54.0	2427	10	US-09-254-783A-2
15	287.5	54.0	2427	12	US-10-152-058-2
16	284.5	53.5	3243	9	US-10-092-154-1176
17	284.5	53.5	3243	10	US-09-764-847-1176
18	283.5	53.3	3162	10	US-09-764-877-2937
19	281.5	52.9	2203	9	US-10-224-562-1
20	281.5	52.9	2203	10	US-09-801-861-1
21	281.5	52.9	3308	9	US-10-147-026-3
22	281.5	52.9	4344	10	US-09-880-107-1754
23	281	52.8	4168	12	US-10-042-417-27
24	279.5	52.5	2907	10	US-09-912-962-26
25	279.5	52.5	4870	12	US-10-044-090-121
26	279	52.4	3351	9	US-10-092-154-1138
27	279	52.4	3351	10	US-09-764-847-1138
28	278.5	52.3	2281	9	US-10-071-766-71
29	278.5	52.3	2395	9	US-10-152-661-590
30	278.5	52.3	2395	9	US-09-866-050A-590
31	278	52.3	2495	9	US-10-091-504-1255
32	278	52.3	2495	10	US-09-764-869-1255
33	278	52.3	2994	10	US-09-728-628-9
34	277.5	52.2	2507	10	US-09-525-301-397
35	277.5	52.2	2808	10	US-09-880-107-3380
36	277	52.1	1611	9	US-09-954-531-179
37	276.5	52.0	1611	9	US-10-124-986-2
38	276.5	52.0	1611	10	US-09-981-649A-2
39	276.5	52.0	2569	9	US-10-224-951-1
40	276.5	52.0	2853	10	US-09-764-877-3199
41	276.5	52.0	2803	9	US-09-764-877-3196
42	276.5	52.0	2902	9	US-09-984-827-138
43	276.5	52.0	4152	10	US-09-925-300-359
44	276.5	52.0	4766	9	US-09-764-868-1443
45	276	51.9	2018	9	US-10-091-504-1568

ALIGNMENTS

RESULT 1
US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-854-133-442

Alignment Scores:
Pred. No.: 1.77e-06
Score: 532.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Length: 337
Matches: 97
Conservative: 0
Mismatches: 0

```
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-854-133-586 (1-97) x US-09-854-133-442 (1-337)
Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 5 GAGGTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGAGACTCTGTCTCAACA 64
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAGAAAGAAAGAGAGAGAGAGAAATTCAGGCCAATTGTGGC 124
Qy 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTATCATATTCTGGATTTTGGATTTTGGATTTTCTCATCTCATCTGATT 184
Qy 61 GluSerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGA 244
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCCTTCCCTGGCAACAAGGAGGACCTGGGAGGAGAAATGTCAGC 295
RESULT 2
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738, 973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442
Alignment Scores:
Pred. No.: 1,77e-06 Length: 337
Score: 532.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-854-133-586 (1-97) x US-09-738-973-442 (1-337)
Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 5 GAGGTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGAGACTCTGTCTCAACA 64
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAGAAAGAAAGAGAGAGAGAGAAATTCAGGCCAATTGTGGC 124
```

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Qy 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTATCATATTCTGGATTTTGGATTTTGGATTTTCTCATCTCATCTGATT 184
Qy 61 GluSerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGA 244
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCCTTCCCTGGCAACAAGGAGGACCTGGGAGGAGAAATGTCAGC 295
RESULT 3
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440
Alignment Scores:
Pred. No.: 0.0022 Length: 2239
Score: 523.00 Matches: 97
Percent Similarity: 84.35% Conservative: 0
Best Local Similarity: 84.35% Mismatches: 0
Query Match: 98.31% Indels: 18
DB: 9 Gaps: 1
US-09-854-133-586 (1-97) x US-09-854-133-440 (1-2239)
Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGAGACTCTGTCTCAACA 61
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 62 GAATTAAGGAAAAAGAAAGAAAGAGAGAGAGAGAAATTCAGGCCAATTGTGGC 121
Qy 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 122 ATAGATTATCATATTCTGGATTTTGGATTTTGGATTTTCTCATCTCATCTGATT 181
Qy 61 GluSerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGA 241
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCCTTCCCTGGCAACAAGGAGGACCTGGGAGGAGCCTTTTTCAGGAAGAGACG 301
Qy 94 -----ArgLysCysSer 97
Db 302 CCTTTTCAGGAAGAGACGCTTTTTCAGGAAGAGAGAAATGTCAGC 346
RESULT 4
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
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QY 1 GluValGluValSerArg---AspHis---Ala---Ser-----Leu 11
 |||||
 Db 22 GAGGTGAG-----AATTGAGAGACGATGATCATACACAGGTGTTTCTGAGTAGTAATTA 75
 QY 12 GlyAsp---SerGlu-----Thr-----LeuSer---Gln-----ThrGluLeu--- 22
 |||||
 Db 76 ---GATCGCTGTGAAGGAAACACACCTTTGAGTTTTCACCTGTGAACA---CTATAG 129
 QY 23 Arg-----LysLys---Glu---Arg---Lys---LysLys-----ArgGluArg 33
 |||||
 Db 130 CGCTGAGAGACAGTCTGAAGACGAGGAGACATCGATCATAGTAAACACCAAGACACACC 189
 QY 34 LysPheGlnAlaAsnCysGlyIleAsp---PheIleIlePheTrp-----Ile---Phe 49
 |||||
 Db 190 AAA-----GTTGAAAGTTT---GTTTCTTCCCTCTGTTTATTT 228
 QY 50 Trp-----Ile---LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysPro 66
 |||||
 Db 229 TTCCCCCGTGTGTCCTACTA-----TGG---TCAGAAAGCCTGTTGTGTCCA 273
 QY 67 ProSerProLysGluValThrCysArgGluMetLeuThrGlyGlyCysLeuProTriPala 86
 |||||
 Db 274 CCATCTCCAAAGAGGATTACCTGCAGGGAATGTTAACGGGAGGCTGCTTCCCTGGGCA 333
 QY 87 ThrArgSerHisLeuGlyArgGlyCysSer 97
 |||||
 Db 334 ACAAGGAGCCACTGGGCGAGGAGAAAGTCGACG 366

RESULT 9

US-10-146-502-1307
 ; Sequence 1307, Application US/10146502
 ; Publication No. US20030069180A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Sectist, Heather
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Stolk, John A.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
 ; FILE REFERENCE: 210121.527C2
 ; CURRENT APPLICATION NUMBER: US/10/146,502
 ; CURRENT FILING DATE: 2002-05-14
 ; NUMBER OF SEQ ID NOS: 2241
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1307
 ; LENGTH: 572
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 9, 19, 461, 497, 500, 502
 ; OTHER INFORMATION: n = A,T,C or G

US-10-146-502-1307

Alignment Scores:
 Pred. No.: 6.37 Length: 572
 Score: 339.00 Matches: 52
 Percent Similarity: 57.25% Conservative: 13
 Best Local Similarity: 47.33% Mismatches: 6
 Query Match: 63.72% Indels: 50
 DB: 9 Gaps: 28

US-09-854-133-586 (1-97) x US-10-146-502-1307 (1-572)

QY 1 GluValGluValSerArg---AspHis---Ala---Ser-----Leu 11
 |||||
 Db 22 GAGGTGAG-----AATTGAGAGACGATGATCATACACAGGTGTTTCTGAGTAGTAATTA 75
 QY 12 GlyAsp---SerGlu-----Thr-----LeuSer---Gln-----ThrGluLeu--- 22
 |||||
 Db 76 ---GATCGCTGTGAAGGAAACACACCTTTGAGTTTTCACCTGTGAACA---CTATAG 129

QY 23 Arg-----LysLys---Glu---Arg---Lys---LysLys-----ArgGluArg 33
 |||||
 Db 130 CGCTGAGAGACAGTCTGAAGACGAGGAGACATCGATCATAGTAAACACCAAGACACACC 189
 QY 34 LysPheGlnAlaAsnCysGlyIleAsp---PheIleIlePheTrp-----Ile---Phe 49
 |||||
 Db 190 AAA-----GTTGAAAGTTT---GTTTCTTCCCTCTGTTTATTT 228
 QY 50 Trp-----Ile---LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysPro 66
 |||||
 Db 229 TTCCCCCGTGTGTCCTACTA-----TGG---TCAGAAAGCCTGTTGTGTCCA 273
 QY 67 ProSerProLysGluValThrCysArgGluMetLeuThrGlyGlyCysLeuProTriPala 86
 |||||
 Db 274 CCATCTCCAAAGAGGATTACCTGCAGGGAATGTTAACGGGAGGCTGCTTCCCTGGGCA 333
 QY 87 ThrArgSerHisLeuGlyArgGlyCysSer 97
 |||||
 Db 334 ACAAGGAGCCACTGGGCGAGGAGAAAGTCGACG 366

RESULT 10

US-09-764-891-6421
 ; Sequence 6421, Application US/09764891
 ; Publication No. US20030077808A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PC006
 ; CURRENT APPLICATION NUMBER: US/09/764,891
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 10231
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6421
 ; LENGTH: 1687
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; ORGANISM: Homo sapiens
 ; US-09-764-891-6421

Alignment Scores:

Pred. No.: 4.25e+03 Length: 1687
 Score: 298.50 Matches: 58
 Percent Similarity: 39.78% Conservative: 16
 Best Local Similarity: 31.18% Mismatches: 10
 Query Match: 56.11% Indels: 102
 DB: 9 Gaps: 38

US-09-854-133-586 (1-97) x US-09-764-891-6421 (1-1687)

QY 1 GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer 14
 |||||
 Db 633 GAGGTAGAGGTTTGACGTGAGTCGAGATCAGCCACTGCACCTTCAGCCTGGGTGACAGAGC 692
 QY 15 GluThrLeuSerGlnThrGluLeuArgGlyLysGlu-----ArgLys-----Lys 29
 |||||
 Db 693 AAGACTTTCTCTCAA-----AAAAAAAAGACCTACTCTATAGGAAGCAATTCAG 743
 QY 30 LysArg---GluArgLysPheGlnAlaAsn-Cys-----Gly----- 40
 |||||
 Db 744 AAAAGAGTAAAC---AACTATATG---AATATGTTAGTTTCAGTAGTAATCAGGACAGTG 797
 QY 41 ---Ile-----AspPheIleIle-----PheTrp-----IlePhe 49
 |||||
 Db 798 CAAATCAATAAACAAGTCAGAT---CAAGTGTCTCTCTATTGTTGTAATAAATAAATTTT 854
 QY 49 eTrpIleLeuLeu-----PheSer-----His---HisTrp-----IleGln 60
 |||||
 Db 855 TTTTCTTTTGGAGAGGCTTCTCACTTGTCCACCCAGGTTGGAGTGCAGTGGTGCA 914
 QY 60 nGluSer---LeuLeu-----CysProProSer--- 68
 |||||
 Db 915 A---TCTGGCTCANTGCAACCTCGCCTCCAGGCTCAATCAGTCTGCTGCCCACTCAGCC 971

QY 69 -ProLys-----GluVal-----Thr-----Cys----- 74
 Db 972 TCCCAAGTAGCTGTACTAGCTCTCCACCACGCTGGCTAATTTCTTGCAATTT 1031

QY 75 -----ArgGluMetLeuThrGly-----GlyCysLeuPro---TTPala---Thr-- 87
 Db 1032 TGATAGAGAT-----GGAGTTTCGCCAGGTTC---CCAAAGTGGTCTCAAACTCC 1079

QY 88 -----Arg-----Ser-----HisLeuGly-----ArgArg----- 94
 Db 1080 TGAGCTCAAGCAATCCGCCACCTTGGCTTCCAAAGTACTGGCTTACAGCGGTGAGCC 1139

QY 95 -----Lys 95
 Db 1140 ACCGGACCCAGCAAAA 1155

RESULT 11
 US-09-764-891-6422
 ; Sequence 6422, Application US/09764891
 ; Publication No. US20030077808A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PC006
 ; CURRENT APPLICATION NUMBER: US/09/764,891
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 10231
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6422
 ; LENGTH: 1688
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-764-891-6422

Alignment Scores:
 Pred. No.: 4,26e+03 Length: 1688
 Score: 298.50 Matches: 58
 Percent Similarity: 39.78% Conservative: 16
 Best Local Similarity: 31.18% Mismatches: 10
 Query Match: 56.11% Indels: 102
 DB: 9 Gaps: 38

US-09-854-133-586 (1-97) x US-09-764-891-6422 (1-1688)

QY 1 GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer 14
 Db 634 GAGGTGGAGGTTGCAGTGTAGTCAGATCAGCCACTGCCTCAGCTGGGTGACAGAGC 693

QY 15 GluThrLeuSerGlnThrGluLeuArgLysLysGlu-----ArgLys-----Lys 29
 Db 694 AAGCTTTGTCTCAA-----AAAAAAGAGCCTACTCTATAGGAAGCAATTCAG 744

QY 30 LysArg---GluArgLysPheGlnAlaAsn-Cys-----Gly----- 40
 Db 745 AAAAGAGTAAAC---AATATATG---AATATGTAGTTTCACTAGTATCAGGACAGTG 798

QY 41 -----Ile-----AspPheIlelle-----PheTrp-----IlePh 49
 Db 799 CAAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 855

QY 49 eTrpIleLeuLeu-----PheSer-----His---HisTrp-----IleGl 60
 Db 856 TTTTCTTTTGTGGAGATGCTCTCTCACTTTGTCCACCAGGTGGAGTGGAGTGGTGA 915

QY 60 nGluSer---LeuLeu-----CysProProSer--- 68
 Db 916 A---TCTGCCTCATTTGCAACCTCTGCTCCAGGCTCAATCAGTCTGCCACCTCAGCC 972

QY 69 -ProLys-----GluVal-----Thr-----Cys----- 74
 Db 973 TCCCAAGTAGCTGTACTAGCTCTCCACCACGCTGGCTAATTTCTTGCAATTT 1032

QY 75 -----ArgGluMetLeuThrGly-----GlyCysLeuPro---TTPala---Thr-- 87
 Db 1033 TGATAGAGAT-----GGAGTTTCGCCAGGTTC---CCAAAGTGGTCTCAAACTCC 1080

QY 88 -----Arg-----Ser-----HisLeuGly-----ArgArg----- 94
 Db 1081 TGAGCTCAAGCAATCCGCCACCTTGGCTTCCAAAGTACTGGCTTACAGCGGTGAGCC 1140

QY 95 -----Lys 95
 Db 1141 ACCGGACCCAGCAAAA 1156

RESULT 12
 US-10-163-866-34
 ; Sequence 34, Application US/10163866
 ; Publication No. US20030027188A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXELIXIS, INC.
 ; TITLE OF INVENTION: SLCTs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 ; FILE REFERENCE: EX02-080C
 ; CURRENT APPLICATION NUMBER: US/10/163,866
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/296,076
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/328,605
 ; PRIOR FILING DATE: 2001-10-10
 ; PRIOR APPLICATION NUMBER: US 60/338,733
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/357,253
 ; PRIOR FILING DATE: 2002-02-15
 ; PRIOR APPLICATION NUMBER: US 60/357,600
 ; PRIOR FILING DATE: 2002-02-15
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 34
 ; LENGTH: 2000
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-163-866-34

Alignment Scores:
 Pred. No.: 8,75e+03 Length: 2000
 Score: 296.50 Matches: 57
 Percent Similarity: 58.88% Conservative: 6
 Best Local Similarity: 53.27% Mismatches: 10
 Query Match: 55.73% Indels: 34
 DB: 9 Gaps: 19

US-09-854-133-586 (1-97) x US-10-163-866-34 (1-2000)

QY 2 ValGlu---ValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeu---SerGln 19
 Db 4 GTCAACACTATA-----GGC---CTG-----AGAGAGACAGTCTCAAAAGCAG 42

QY 20 ThrGluLeuArgLys---Lys---GluArgLysLysLysArg---GluArg---LysPhe 35
 Db 43 -----AGGAGACATCGATCAGT---AACACCAAGAGACACCAAGATTGAAAGTTT 90

QY 36 GlnAlaAsnCysGlyIleAspPheIle---Ile---PheTrpIlePhe-----TrpIle 51
 Db 91 -----TGT-----TTTCTTCTCTCTGTTT---ATTTTCCCGGTGTC 129

QY 52 -LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysProProSerProLysGl 71
 Db 130 CCFACTA-----TGG---TCAGAAAGCCTGTTGTGTCCACCATCTCCAAAGGA 174

QY 71 uValThrCysArgGluMetLeuThrGlyCysLeuProTTPalaThrArgSerHisLe 91
 Db 175 GGTTACTCGAGGAATGTTTACGGGAGGCTGCTTCTCCCTGGGCAACAGGAGCCACT 234

QY 91 uGlyArgArgLysCysSer 97
 Db 235 GGGCAGGAGAAAGTGACAGC 253

Db 3290 AACTGGATCCAGCCTTTGGAGGGGGACACTCTCTGATGATATCCCGCACCCAGAA 3349
QY 77 MetLeu-----Thr-----GlyGly-----Cys--- 82
Db 3350 ---CTGGGCTCTGAACGACGACCTGGGCTCTGGGGGAGAGCTGGGCTCTTGTTC 3406
QY 83 -----Leu-----ProTrpAla----- 86
Db 3407 GAGCCCTTGTCTTAGGATCC---GCCCCACCTGCCCAATGCACACAGACCC 3463
QY 87 -----Thr-----ArgSer----- 89
Db 3464 ACGGGGGGCACTGCTCCCTCCCTCTCTCCACACATTCACAGAGTCAGGGCCCC 3523
QY 90 -----His---Leu-----Gly---Arg-----Arg--- 94
Db 3524 CTCGAGGAGCACCCGCTGCAGGGATGCAGGGCCACAGGCTCTCTCTTAAGCAG 3583
QY 95 -----Lys-----Cys-----Ser 97
Db 3584 GGTCTGGGTCACTCCCTGCTCATCTGTAATTCCTCATCTGATTCTTCA 3637
RESULT 14
US-09-254-783A-2
; Sequence 2, Application US/09254783A
; Patent No. US20020035734A1
; GENERAL INFORMATION:
; APPLICANT: Communi, Didier
; APPLICANT: Boeynaems, Jeanmarie
; TITLE OF INVENTION: G Protein Coupled Receptor Showing Selective Affinity for ATP
; FILE REFERENCE: 9409/2062
; CURRENT APPLICATION NUMBER: US/09/254,783A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: PCT/BE98/00108
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: EP97870101.9
; PRIOR FILING DATE: 1997-07-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 2427
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-254-783A-2
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Pred. No.: 63 Matches: 63
Score: 287.50 Conservative: 12
Percent Similarity: 30.36% Mismatches: 17
Best Local Similarity: 25.51% Indels: 155
Query Match: 54.04% Gaps: 56
DB:
US-09-854-133-586 (1-97) x US-09-254-783A-2 (1-2427)
QY 1 GluValGlu-----Val---SerArgAspHisAlaSer-----LeuGly----- 12
Db 1120 GAA---GAGGCTCTGGGATCCCTTCAGGAGC---GGAGCTGGAGTTGGTGGAGC 1173
QY 13 ---Asp---SerGlu-----ThrLeuSer-----Gln----- 19
Db 1174 GATGATGAACAGAGATGATGATCATCGATGATTTCTCCAGCGGTGGGCGAGCGGCC 1233
QY 20 ThrGlu---Leu-----Arg---Lys-----LysGlu-----ArgLys 28
Db 1234 AGTGAGGACCTCTTCCCGAGGCCAACAGAGAACCGCTTCCCAAGTCTCCAGGGCGGAAG 1293
QY 29 LysLysArg---Glu-----Arg-----Lys-----Phe-----Gln 36
Db 1294 CGGAAGCGGTGGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1353
QY 37 Ala---Asn-----CysGlyIle-----AspPheIleIlePheTrp---Ile----- 48

RESULT 13
US-09-919-497-9
; Sequence 9, Application US/09919497
; Patent No. US2002010662A1
; GENERAL INFORMATION:
; APPLICANT: Mutter, George L.
; TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER
; FILE REFERENCE: B0801/7225
; CURRENT APPLICATION NUMBER: US/09/919,497
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221,735
; PRIOR FILING DATE: 2000-07-31
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 9
; LENGTH: 3995
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-919-497-9
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Pred. No.: 69 Matches: 69
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Percent Similarity: 24.53% Mismatches: 11
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Query Match: 54.98% Gaps: 68
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QY 1 GluVal-----Glu---SerArg-----Val-----Asp--- 7
Db 2708 GAGATAGATGCGCGGATACCACTTGTCTGCTCCCGGAGAAAATGGAGAGACAT 2767
QY 8 -----His-----Ala-----Ser---Leu---Gly----- 12
Db 2768 CAGCGCCACAAGTTCATTGAGCGCGGCCAGTACACAGCCACCTCTATGGAGACGCTC 2827
QY 13 AspSer-----Glu---Thr-----Leu-----Ser----- 18
Db 2828 CAGTCCGTCGAGAGTGGCAGAGCGGGAGAGTCTGATCTCTCGGCAAT 2887
QY 19 -----Gln---ThrGluLeu-----Arg---Lys 24
Db 2888 GCGGTGCGCGGCTGACAGCGGCCCACTGACCCCATCGCCATCTTCATCGCCCGCCG 2947
QY 25 Lys---GluArg-----Lys---LysLysArg-----Glu-----ArgLys--- 34
Db 2948 TCCCTGGAGATGTGCTAGAGATTACAGAGCGGATCAGAGAGCAAGCCCGCAAGCC 3007
QY 35 Phe-----Gln-----AlaAsnCys----- 39
Db 3008 TTCGACAGAGCCACCAGTGGAGCAGGAGTTCACAGAGTGTCTTCACCCATCGTGGAG 3067
QY 40 GlyIleAsp---Phe-----Ile-----Ile----- 45
Db 3068 GGT---GACAGCTTTCAGGAGATCTACCAAGGTGAAGCGTGTCTATCGAGGACCTCTCA 3124
QY 46 -----Phe---Triple-----Phe-----Triple---Leu 52
Db 3125 GGCCCCATACATCTGGTTCAGCCCGAGAGAGACTGTGATCTGCTGCTGGCTTGGCCTG 3184
QY 53 -----LeuPheSerHisHis-----TripleGlnGluSer-----LeuLeu 64
Db 3185 GACTCGCCCTGCCTC-----CATCAGCTGGGCGCTTGG-----TCTGAGCTGAAT 3229
QY 65 Cys-----ProPro---Ser-----Pro----- 69
Db 3230 TGCCCAAGCCCTTGGTCCCGCCCGGCTCTCCACCCCTCTTATTATTTCTTTCT 3289
QY 70 Lys-----Glu---Val-----Thr-----Cys-----Arg-----Glu 76

Db 1354 GCCACGACAACTCACTGGTTCAGGGGACTTC---CTG---TGGCCCATACCTGGTG 1407
 QY 49 -----PheTrp-----Ile-----Leu-----Leu-----PheSer----- 55
 Db 1408 GTTGAGTTCTGTGGCCGTGGCCAGCAATGGCTGGCCCTGTACCGCTTCAGCATCCGG 1467
 QY 56 ---HisHis---Trp-----IleGln---Glu---Ser---Leu 63
 Db 1468 AGCAGCGCCATGGACCCCGCGTGGTCTCTCTGTCCAGCTGCAGTCAAGACCTG 1527
 QY 64 LeuCys-----ProPro-----Ser-----ProLys----- 70
 Db 1528 CTCTGGCTCTGACGCTGCCCGCTGGCGCTACCTCTATCCCGCCCAAGCACTGGCGC 1587
 QY 71 -----GluValThrCysArg---Glu---MetLeu---Thr-----GlyGly 81
 Db 1588 TATGGGAGCGCGCGTGGCGCTGGAGCGCTTCTTCACTGCAACCTGTGGGCGC 1647
 QY 82 -----Cys-----CysSer 97
 Db 1648 GTCATCTTCATCAGCTGCATCAGCTCAACCGCTACCTGGGCATCGTGCAACCTTCTTC 1707
 QY 83 -----Leu---Pro-----Trp----- 85
 Db 1708 GCCGGAAGCCACTGCGACCCCAAGCAGCGCTGGCGCTGGCGCTGGCGTGGCTGCTG 1767
 QY 86 -----Ala-----Thr---Arg---SerHisLeuGlyArg--- 94
 Db 1768 GCGCGCTGTGCGCATGCCCTGGAGCGCTTCTTCCACACTG---AAGAGCGCGCGCGCAG 1824
 QY 95 Lys-----CysSer 97
 Db 1825 CAGGGGGCGGCAACTGCAGC 1845

RESULT 15

US-10-152-058-2
 ; Sequence 2, Application US/10152058
 ; Patent No. US2002014298A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Communi, Didier
 ; APPLICANT: Boeytaens, Jeanmarie
 ; TITLE OF INVENTION: G Protein Coupled Receptor Showing Selective Affinity for ATP
 ; FILE REFERENCE: 9409/2062
 ; CURRENT APPLICATION NUMBER: US/10/152,058
 ; CURRENT FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: PCT/BE98/00108
 ; PRIOR FILING DATE: 1998-07-09
 ; PRIOR APPLICATION NUMBER: EP97870101.9
 ; PRIOR FILING DATE: 1997-07-09
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 2
 ; LENGTH: 2427
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-152-058-2

Alignment Scores:

Pred. No.:	3.13e+04	Length:	2427
Score:	287.50	Matches:	63
Percent Similarity:	30.36%	Conservative:	12
Best Local Similarity:	25.51%	Mismatches:	17
Query Match:	54.04%	Indels:	155
DB:	12	Gaps:	56

US-09-854-133-586 (1-97) x US-10-152-058-2 (1-2427)

QY 1 GluValGlu-----Val---SerArgAspHisAlaser-----LeuGly----- 12
 Db 1120 GAA---GAGCCCTCTGGATCCCTTCAAGACG---GCCAGCCTGGAGTTGGTGAGGAC 1173
 QY 13 ---Asp---SerGlu-----ThrLeuSer-----Gln----- 19

Db 1174 GATGATGACAGCAAGATGATGACATCGAGTATTTCTGCCAGCGGTGGCGAGGGCGCC 1233
 QY 20 ThrGlu---Leu-----Arg---Lys-----LysGlu-----ArgLys 28
 Db 1234 AGTGAGACCTGTTCCTCCCGAGGCCAAGCAACGGCTTCCCAAGTCTCCAGGGCGGAAG 1293
 QY 29 LysLysArg---Glu-----Arg-----Lys-----Phe-----Gln 36
 Db 1294 CGAAGCGGTGGGAAATGATCGAGGTGCCAAGTCTCTGCCCTGCCCACTTCTTGGCAGCT 1353
 QY 37 Ala---Asn-----CysGlyIle-----AspPheIleIlePheTrp---Ile----- 48
 Db 1354 GCCCAACACAACTCAGTGGGTTCACAGGGGACTTC---CTG---TGGCCCATACTGGTG 1407
 QY 49 -----PheTrp-----Ile-----Leu---Leu-----PheSer----- 55
 Db 1408 GTTGAGTTCTGTGGCTGGCGTGGCCAGCAATGGCTGGCCCTGTACCGCTTCAGCATCCCG 1467
 QY 56 ---HisHis---Trp-----IleGln---Glu---Ser---Leu 63
 Db 1468 AAGCAGCGCCATGGCAGCCCGCGTGGTCTTCTCTGTCTCCAGCTGGCAGTCAAGGACCTG 1527
 QY 64 LeuCys-----ProPro-----Ser-----ProLys----- 70
 Db 1528 CTCTGGCTGTGACGCTGGCGCTGGCGCTACCTCTATCCCGCCCAAGCACTGGCGC 1587
 QY 71 -----GluValThrCysArg---Glu---MetLeu---Thr-----GlyGly 81
 Db 1588 TATGGGAGCGCGTGGCGCTGGAGCGCTTCTTCCACCTGCAACCTGTGGGCGCAG 1647
 QY 82 -----Cys-----CysSer 97
 Db 1648 GTCATCTTCATCAGCTGCATCAGCTCAACCGCTACCTGGGCATCGTGCAACCTTCTTC 1707
 QY 83 -----Leu---Pro-----Trp----- 85
 Db 1708 GCCGGAAGCCACTGCGACCCCAAGCAGCGCTGGCGTGGCGCTGGCGTGGCTGCTG 1767
 QY 86 -----Ala-----Thr---Arg---SerHisLeuGlyArg--- 94
 Db 1768 GCGCGCTGTGCGCATGCCCTGGAGCGCTTCTTCCACACTG---AAGAGCGCGCGCGCAG 1824
 QY 95 Lys-----CysSer 97
 Db 1825 CAGGGGGCGGCAACTGCAGC 1845

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Run on: October 30, 2003, 14:13:43 ; Search time 68.6726 Seconds
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Title: US-09-854-133-586

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C 87	7	7.2	188	1	US-08-466-670-21	Sequence 21, Appl	C 160	7	7.2	1018	3	US-08-896-095-2	Sequence 2, Appl
C 88	7	7.2	188	1	US-08-291-011-1	Sequence 1, Appl	C 161	7	7.2	1019	4	US-09-177-650-128	Sequence 128, App
C 89	7	7.2	188	4	US-09-266-065-1	Sequence 1, Appl	C 162	7	7.2	1047	4	US-09-252-991A-13520	Sequence 13520, A
C 90	7	7.2	192	3	US-09-157-177-115	Sequence 115, App	C 163	7	7.2	1180	4	US-09-620-312D-971	Sequence 971, App
C 91	7	7.2	197	2	US-08-520-678A-31	Sequence 31, Appl	C 164	7	7.2	1192	1	US-08-380-916-2	Sequence 2, Appl
C 92	7	7.2	197	3	US-08-897-126-31	Sequence 31, Appl	C 165	7	7.2	1192	2	US-08-182-247-1	Sequence 1, Appl
C 93	7	7.2	200	3	US-08-897-126-31	Sequence 64, Appl	C 166	7	7.2	1192	3	US-08-721-690-2	Sequence 2, Appl
C 94	7	7.2	213	2	US-08-332-766A-38	Sequence 38, Appl	C 167	7	7.2	1192	3	US-08-891-581-2	Sequence 67, Appl
C 95	7	7.2	217	2	US-08-332-766A-4	Sequence 4, Appl	C 168	7	7.2	1225	4	US-09-166-203B-67	Sequence 9, Appl
C 96	7	7.2	243	1	US-07-922-723A-9	Sequence 9, Appl	C 169	7	7.2	1312	2	US-08-580-545B-9	Sequence 9, Appl
C 97	7	7.2	243	1	US-07-799-828C-9	Sequence 9, Appl	C 170	7	7.2	1312	3	US-09-262-653A-9	Sequence 7, Appl
C 98	7	7.2	243	1	US-08-074-275-9	Sequence 9, Appl	C 171	7	7.2	1313	1	US-08-176-427B-7	Sequence 4, Appl
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C 100	7	7.2	243	1	US-07-982-277A-9	Sequence 7, Appl	C 173	7	7.2	1313	3	US-08-460-900C-4	Sequence 4, Appl
C 101	7	7.2	250	4	US-08-125-642C-7	Sequence 25, Appl	C 174	7	7.2	1313	3	US-08-674-509B-4	Sequence 4, Appl
C 102	7	7.2	250	4	US-08-520-678A-25	Sequence 25, Appl	C 175	7	7.2	1313	3	US-08-954-698-4	Sequence 4, Appl
C 103	7	7.2	253	3	US-08-897-126-25	Sequence 42, Appl	C 176	7	7.2	1313	4	US-08-957-874-4	Sequence 4, Appl
C 104	7	7.2	275	4	US-08-585-593A-42	Sequence 42, Appl	C 177	7	7.2	1313	4	US-08-325-256-8	Sequence 8, Appl
C 105	7	7.2	278	2	US-08-332-766A-42	Sequence 3, Appl	C 178	7	7.2	1314	3	US-09-639-695-4	Sequence 5, Appl
C 106	7	7.2	279	2	US-08-623-906A-3	Sequence 20, Appl	C 180	7	7.2	1320	1	US-09-057-860A-5	Sequence 5, Appl
C 107	7	7.2	285	3	US-08-520-678A-20	Sequence 20, Appl	C 181	7	7.2	1320	1	US-08-436-074-57	Sequence 84, Appl
C 108	7	7.2	285	3	US-08-897-126-20	Sequence 5255, Ap	C 182	7	7.2	1320	5	PCT-US96-06352-84	Sequence 84, Appl
C 109	7	7.2	287	4	US-09-313-294A-5255	Sequence 113, App	C 183	7	7.2	1320	5	PCT-US96-06583-84	Sequence 84, Appl
C 110	7	7.2	320	3	US-09-157-177-113	Sequence 23, Appl	C 184	7	7.2	1347	2	US-08-286-819A-7	Sequence 7, Appl
C 111	7	7.2	321	3	US-08-520-678A-23	Sequence 23, Appl	C 185	7	7.2	1347	3	US-08-980-357-7	Sequence 31, Appl
C 112	7	7.2	321	3	US-08-897-126-23	Sequence 587, Ap	C 186	7	7.2	1347	3	US-08-980-357-31	Sequence 154, App
C 113	7	7.2	324	4	US-09-252-991A-5887	Sequence 168, App	C 187	7	7.2	1419	3	US-08-943-731-154	Sequence 9, Appl
C 114	7	7.2	332	4	US-09-657-453A-19	Sequence 19, Appl	C 188	7	7.2	1469	4	US-09-075-454-9	Sequence 9, Appl
C 115	7	7.2	334	2	US-08-018-584A-27	Sequence 27, Appl	C 189	7	7.2	1472	1	US-08-123-161A-9	Sequence 9, Appl
C 116	7	7.2	334	2	US-08-623-906A-9	Sequence 9, Appl	C 190	7	7.2	1472	1	US-08-483-278-9	Sequence 332, App
C 117	7	7.2	339	4	US-09-495-050A-168	Sequence 8, Appl	C 191	7	7.2	1557	4	US-09-620-412C-332	Sequence 332, App
C 118	7	7.2	344	2	US-08-623-906A-8	Sequence 79, Appl	C 192	7	7.2	1557	4	US-09-598-419-332	Sequence 45, Appl
C 119	7	7.2	348	2	US-08-623-906A-14	Sequence 14, Appl	C 193	7	7.2	1588	3	US-09-058-489-45	Sequence 3, Appl
C 120	7	7.2	356	2	US-08-520-678A-22	Sequence 22, Appl	C 194	7	7.2	1618	1	US-09-150-864A-3	Sequence 3, Appl
C 121	7	7.2	356	2	US-08-897-126-22	Sequence 22, Appl	C 195	7	7.2	1620	4	US-09-125-642C-9	Sequence 9, Appl
C 122	7	7.2	361	3	US-09-018-584A-9	Sequence 9, Appl	C 196	7	7.2	1620	4	US-09-252-991A-5920	Sequence 19, Appl
C 123	7	7.2	362	3	US-09-018-584A-11	Sequence 11, Appl	C 197	7	7.2	1627	4	US-09-484-970B-19	Sequence 1, Appl
C 124	7	7.2	370	2	US-08-332-766A-8	Sequence 8, Appl	C 198	7	7.2	1674	1	US-08-480-528A-1	Sequence 1, Appl
C 125	7	7.2	376	4	US-09-171-209-79	Sequence 79, Appl	C 200	7	7.2	1674	1	US-08-480-528A-1	Sequence 1, Appl
C 126	7	7.2	383	3	US-09-155-942-5	Sequence 5, Appl	C 201	7	7.2	1674	1	US-08-479-666-1	Sequence 1, Appl
C 127	7	7.2	394	2	US-08-623-906A-7	Sequence 7, Appl	C 202	7	7.2	1674	1	US-08-479-666-1	Sequence 1, Appl
C 128	7	7.2	405	2	US-08-299-074A-1	Sequence 1, Appl	C 203	7	7.2	1674	2	US-08-901-200A-1	Sequence 1, Appl
C 129	7	7.2	405	3	US-09-399-773-1	Sequence 1, Appl	C 204	7	7.2	1674	2	US-08-901-200A-1	Sequence 1, Appl
C 130	7	7.2	423	1	US-08-470-173-130	Sequence 130, App	C 205	7	7.2	1674	3	US-09-219-391-1	Sequence 1, Appl
C 131	7	7.2	427	4	US-08-623-906A-5	Sequence 5, Appl	C 206	7	7.2	1674	3	US-09-219-391-1	Sequence 1, Appl
C 132	7	7.2	428	4	US-09-397-787-225	Sequence 225, App	C 207	7	7.2	1674	3	US-08-643-321-25	Sequence 25, Appl
C 133	7	7.2	436	4	US-09-340-323A-1	Sequence 11, Appl	C 208	7	7.2	1674	4	US-08-643-321-25	Sequence 1, Appl
C 134	7	7.2	460	2	US-08-623-906A-11	Sequence 11, Appl	C 209	7	7.2	1674	5	PCT-US93-10520-1	Sequence 1, Appl
C 135	7	7.2	468	4	US-09-252-991A-13830	Sequence 13830, A	C 210	7	7.2	1674	5	PCT-US93-10520-1	Sequence 1, Appl
C 136	7	7.2	500	4	US-09-340-323A-2	Sequence 2, Appl	C 211	7	7.2	1721	5	PCT-US96-00994-3	Sequence 4, Appl
C 137	7	7.2	516	3	US-09-018-584A-24	Sequence 24, Appl	C 212	7	7.2	1722	3	US-08-691-563C-58	Sequence 58, Appl
C 138	7	7.2	544	4	US-09-280-116-247	Sequence 247, App	C 213	7	7.2	1722	4	US-09-374-766B-58	Sequence 58, Appl
C 139	7	7.2	555	4	US-09-495-050A-193	Sequence 193, App	C 214	7	7.2	1722	4	US-08-979-887B-54	Sequence 54, Appl
C 140	7	7.2	576	4	US-09-107-532A-1721	Sequence 1721, Ap	C 215	7	7.2	1740	4	US-09-125-642C-2	Sequence 2, Appl
C 141	7	7.2	582	3	US-09-328-111-689	Sequence 689, App	C 216	7	7.2	1740	4	US-09-125-642C-13	Sequence 13, Appl
C 142	7	7.2	603	4	US-09-252-991A-3153	Sequence 3153, Ap	C 217	7	7.2	1748	1	US-08-203-056-8	Sequence 8, Appl
C 143	7	7.2	622	3	US-09-385-982-312	Sequence 312, App	C 218	7	7.2	1818	4	US-09-357-206A-6	Sequence 6, Appl
C 144	7	7.2	661	4	US-08-529-878B-37	Sequence 37, Appl	C 219	7	7.2	1825	4	US-09-187-999-8	Sequence 8, Appl
C 145	7	7.2	803	4	US-09-495-050A-13	Sequence 13, Appl	C 220	7	7.2	1835	4	US-09-216-393B-80	Sequence 80, Appl
C 146	7	7.2	821	4	US-09-495-050A-185	Sequence 185, App	C 221	7	7.2	1917	3	US-08-808-346-1	Sequence 1, Appl
C 147	7	7.2	852	4	US-09-328-352-1133	Sequence 1133, Ap	C 222	7	7.2	1926	1	US-07-901-703-12	Sequence 12, Appl
C 148	7	7.2	864	4	US-09-107-532A-990	Sequence 990, App	C 223	7	7.2	1926	1	US-08-147-023-26	Sequence 26, Appl
C 149	7	7.2	867	4	US-09-482-273-50	Sequence 50, Appl	C 224	7	7.2	1926	1	US-08-278-739A-22	Sequence 22, Appl
C 150	7	7.2	888	4	US-09-107-532A-2843	Sequence 2843, Ap	C 225	7	7.2	1926	1	US-08-480-528A-9	Sequence 9, Appl
C 151	7	7.2	896	3	US-08-943-731-31	Sequence 31, Appl	C 226	7	7.2	1926	1	US-08-479-666-9	Sequence 9, Appl
C 152	7	7.2	915	4	US-09-252-991A-13420	Sequence 13420, A	C 227	7	7.2	1926	1	US-08-155-343A-22	Sequence 22, Appl
C 153	7	7.2	975	4	US-09-107-532A-2698	Sequence 2698, Ap	C 228	7	7.2	1926	1	US-08-406-672-22	Sequence 22, Appl
C 154	7	7.2	1000	3	US-09-018-584A-33	Sequence 33, Appl	C 229	7	7.2	1926	1	US-08-643-563A-22	Sequence 22, Appl
C 155	7	7.2	1001	4	US-09-671-317-420	Sequence 420, App	C 230	7	7.2	1926	1	US-08-447-570-26	Sequence 26, Appl
C 156	7	7.2	1001	4	US-09-671-317-421	Sequence 421, App	C 231	7	7.2	1926	1		
C 157	7	7.2	1001	4	US-09-671-317-422	Sequence 422, App							
C 158	7	7.2	1001	4	US-09-671-317-425	Sequence 425, App							

232	7	7.2	1926	1	US-08-643-763A-22	Sequence 22, Appl	C 305	7	7.2	4746	4	US-09-400-348-2	Sequence 2, Appl
233	7	7.2	1926	1	US-08-462-623-22	Sequence 22, Appl	C 306	7	7.2	4747	1	US-08-261-822A-2	Sequence 2, Appl
234	7	7.2	1926	1	US-08-451-953A-22	Sequence 22, Appl	C 307	7	7.2	4747	5	PCT-US95-07744A-2	Sequence 5, Appl
235	7	7.2	1926	1	US-08-459-346-7	Sequence 7, Appl	C 308	7	7.2	4823	2	US-08-457-254-5	Sequence 5, Appl
236	7	7.2	1926	2	US-08-445-468A-22	Sequence 22, Appl	C 309	7	7.2	4823	2	US-08-484-227-20	Sequence 20, Appl
237	7	7.2	1926	2	US-08-901-200A-9	Sequence 9, Appl	C 310	7	7.2	4823	3	US-08-999-927-5	Sequence 5, Appl
238	7	7.2	1926	2	US-08-449-700-26	Sequence 26, Appl	C 311	7	7.2	4823	3	US-08-461-819-5	Sequence 5, Appl
239	7	7.2	1926	2	US-08-449-699A-26	Sequence 26, Appl	C 312	7	7.2	4823	4	US-08-461-819-5	Sequence 5, Appl
240	7	7.2	1926	2	US-08-461-397A-22	Sequence 22, Appl	C 313	7	7.2	4823	5	PCT-US94-08806-28	Sequence 28, Appl
241	7	7.2	1926	2	US-08-912-088-22	Sequence 22, Appl	C 314	7	7.2	4823	5	PCT-US95-01829-5	Sequence 5, Appl
242	7	7.2	1926	3	US-08-778-730A-22	Sequence 22, Appl	C 315	7	7.2	4823	5	PCT-US95-16826-5	Sequence 5, Appl
243	7	7.2	1926	3	US-08-689-419-7	Sequence 7, Appl	C 316	7	7.2	5253	4	US-09-357-206A-16	Sequence 16, Appl
244	7	7.2	1926	3	US-08-445-467-22	Sequence 22, Appl	C 317	7	7.2	5265	4	US-09-556-877-174	Sequence 174, App
245	7	7.2	1926	3	US-08-480-515A-22	Sequence 22, Appl	C 318	7	7.2	5265	4	US-09-620-412C-174	Sequence 174, App
246	7	7.2	1926	3	US-09-219-391-9	Sequence 9, Appl	C 319	7	7.2	5483	4	US-09-598-419-174	Sequence 17, Appl
247	7	7.2	1926	4	US-09-170-936-22	Sequence 22, Appl	C 320	7	7.2	5515	4	US-09-357-206A-17	Sequence 8, Appl
248	7	7.2	1926	4	US-08-402-542-7	Sequence 7, Appl	C 321	7	7.2	5519	4	US-09-125-642C-12	Sequence 12, Appl
249	7	7.2	1926	4	US-08-461-113-22	Sequence 22, Appl	C 322	7	7.2	5586	4	US-09-357-206A-19	Sequence 19, Appl
250	7	7.2	1926	4	US-08-456-033-22	Sequence 22, Appl	C 323	7	7.2	5720	4	US-09-442-100-1	Sequence 1, Appl
251	7	7.2	1926	4	US-08-643-321-21	Sequence 21, Appl	C 324	7	7.2	5720	4	US-08-939-106-1	Sequence 1, Appl
252	7	7.2	1926	4	US-09-148-925C-26	Sequence 26, Appl	C 325	7	7.2	5816	3	US-09-357-206A-21	Sequence 21, Appl
253	7	7.2	1926	4	US-08-957-425-26	Sequence 22, Appl	C 326	7	7.2	5835	3	US-09-033-323-3	Sequence 3, Appl
254	7	7.2	1926	5	PCT-US92-01968-22	Sequence 22, Appl	C 327	7	7.2	5835	4	US-09-033-323-3	Sequence 3, Appl
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257	7	7.2	1926	5	PCT-US93-07190-22	Sequence 22, Appl	C 330	7	7.2	5836	3	US-08-721-690-1	Sequence 1, Appl
258	7	7.2	1926	5	PCT-US93-07231-22	Sequence 22, Appl	C 331	7	7.2	5836	3	US-08-891-581-1	Sequence 1, Appl
259	7	7.2	1926	5	PCT-US93-08742-22	Sequence 22, Appl	C 332	7	7.2	5836	3	US-09-033-323-2	Sequence 2, Appl
260	7	7.2	1926	5	PCT-US93-08808-22	Sequence 22, Appl	C 333	7	7.2	5836	4	US-09-033-323-2	Sequence 2, Appl
261	7	7.2	1926	5	PCT-US93-08885-22	Sequence 22, Appl	C 334	7	7.2	5836	4	US-09-614-495-2	Sequence 2, Appl
262	7	7.2	1926	5	PCT-US93-10520-9	Sequence 9, Appl	C 335	7	7.2	5836	4	US-09-474-699-9	Sequence 9, Appl
263	7	7.2	1929	1	US-07-841-646-26	Sequence 26, Appl	C 336	7	7.2	5874	4	US-09-844-634-98	Sequence 98, Appl
264	7	7.2	1929	1	PCT-US91-07635-3	Sequence 3, Appl	C 337	7	7.2	5943	1	US-08-206-176-1	Sequence 1, Appl
265	7	7.2	1978	1	US-07-753-520B-2	Sequence 2, Appl	C 338	7	7.2	6042	1	US-08-261-822A-1	Sequence 1, Appl
266	7	7.2	2071	1	US-08-393-985-15	Sequence 15, Appl	C 339	7	7.2	6042	5	PCT-US95-07744A-1	Sequence 1, Appl
267	7	7.2	2183	3	US-08-808-346-3	Sequence 6, Appl	C 340	7	7.2	6095	4	US-09-357-206A-18	Sequence 18, Appl
268	7	7.2	2183	3	US-08-808-346-3	Sequence 3, Appl	C 341	7	7.2	6172	2	US-08-819-288-1	Sequence 1, Appl
269	7	7.2	2392	4	US-03-220-132-7	Sequence 4, Appl	C 342	7	7.2	6172	4	US-09-400-348-1	Sequence 20, Appl
270	7	7.2	2455	3	US-08-406-030A-4	Sequence 40, Appl	C 343	7	7.2	6325	4	US-09-357-206A-20	Sequence 20, Appl
271	7	7.2	2571	4	US-09-336-643A-80	Sequence 80, Appl	C 344	7	7.2	6356	4	US-09-770-595A-1	Sequence 1, Appl
272	7	7.2	2638	1	US-09-912-161-1	Sequence 46, Appl	C 345	7	7.2	6370	3	US-09-245-041-12	Sequence 12, Appl
273	7	7.2	2710	4	US-08-306-595C-4	Sequence 1, Appl	C 346	7	7.2	6428	4	US-09-357-206A-22	Sequence 22, Appl
274	7	7.2	2767	3	US-09-925-388-4	Sequence 4, Appl	C 347	7	7.2	6623	2	US-08-687-080-68	Sequence 68, Appl
275	7	7.2	2767	3	US-09-925-388-4	Sequence 4, Appl	C 348	7	7.2	6769	1	US-08-480-784-20	Sequence 20, Appl
276	7	7.2	2767	4	US-09-570-367C-1	Sequence 1, Appl	C 349	7	7.2	6769	1	US-08-483-553-20	Sequence 20, Appl
277	7	7.2	2839	4	US-09-061-702-1	Sequence 1, Appl	C 350	7	7.2	6769	1	US-08-487-002-20	Sequence 20, Appl
278	7	7.2	2839	4	US-09-308-179B-2	Sequence 2, Appl	C 351	7	7.2	6769	1	US-08-483-554B-20	Sequence 20, Appl
279	7	7.2	2898	4	US-09-489-847-29	Sequence 29, Appl	C 352	7	7.2	6769	3	US-08-488-011B-20	Sequence 20, Appl
280	7	7.2	3070	4	US-09-077-675A-14	Sequence 14, Appl	C 353	7	7.2	6769	3	US-08-850-727-20	Sequence 20, Appl
281	7	7.2	3129	3	US-09-677-674-14	Sequence 14, Appl	C 354	7	7.2	6769	5	PCT-US95-10203-20	Sequence 20, Appl
282	7	7.2	3134	4	US-09-668-680-1	Sequence 6, Appl	C 355	7	7.2	6769	5	PCT-US95-10203-20	Sequence 20, Appl
283	7	7.2	3210	3	US-08-613-009A-6	Sequence 6, Appl	C 356	7	7.2	7400	5	PCT-US95-10220-20	Sequence 20, Appl
284	7	7.2	3210	4	US-08-778-570B-6	Sequence 6, Appl	C 357	7	7.2	7400	5	PCT-US95-10220-20	Sequence 20, Appl
285	7	7.2	3210	4	US-09-053-584-6	Sequence 6, Appl	C 358	7	7.2	7400	5	PCT-US95-07754A-1	Sequence 1, Appl
286	7	7.2	3228	3	US-09-578-664B-5	Sequence 5, Appl	C 359	7	7.2	7676	1	US-08-451-777A-7	Sequence 7, Appl
287	7	7.2	3331	3	US-09-042-785A-1	Sequence 1, Appl	C 360	7	7.2	7676	2	US-08-451-777A-7	Sequence 7, Appl
288	7	7.2	3562	3	US-09-360-197-1	Sequence 7, Appl	C 361	7	7.2	7676	2	US-08-938-208-7	Sequence 7, Appl
289	7	7.2	3647	3	US-09-360-197-1	Sequence 5, Appl	C 362	7	7.2	7676	5	PCT-US95-06743-7	Sequence 5, Appl
290	7	7.2	3647	3	US-08-613-009A-5	Sequence 5, Appl	C 363	7	7.2	7720	3	US-09-318-448-5	Sequence 5, Appl
291	7	7.2	3660	4	US-08-778-570B-5	Sequence 5, Appl	C 364	7	7.2	8083	3	US-09-383-630-4	Sequence 4, Appl
292	7	7.2	3660	4	US-09-059-584-5	Sequence 5, Appl	C 365	7	7.2	8083	3	US-09-383-630-5	Sequence 5, Appl
293	7	7.2	3819	1	US-07-686-322A-3	Sequence 3, Appl	C 366	7	7.2	8342	3	PCT-US94-04496-63	Sequence 63, Appl
294	7	7.2	3819	1	US-08-002-999-3	Sequence 20, Appl	C 367	7	7.2	8342	3	US-08-545-860D-63	Sequence 63, Appl
295	7	7.2	3923	3	US-08-860-635A-20	Sequence 20, Appl	C 368	7	7.2	8353	3	US-08-611-587-1	Sequence 1, Appl
296	7	7.2	3923	4	US-09-281-476-20	Sequence 20, Appl	C 369	7	7.2	8589	3	US-09-245-041-14	Sequence 14, Appl
297	7	7.2	4244	4	US-09-340-620A-54	Sequence 54, Appl	C 370	7	7.2	8827	3	US-09-245-041-1	Sequence 1, Appl
298	7	7.2	4244	4	US-09-357-206A-8	Sequence 8, Appl	C 371	7	7.2	8920	2	US-08-446-855A-1	Sequence 1, Appl
299	7	7.2	4281	4	US-09-620-312D-555	Sequence 555, App	C 372	7	7.2	8920	3	US-09-150-741-1	Sequence 1, Appl
300	7	7.2	4352	4	US-09-620-312D-555	Sequence 192, App	C 373	7	7.2	9115	1	US-07-753-520B-3	Sequence 3, Appl
301	7	7.2	4401	4	US-09-614-034-192	Sequence 49, Appl	C 374	7	7.2	9168	4	US-09-687-731-11	Sequence 11, Appl
302	7	7.2	4576	1	US-08-832-887-49	Sequence 49, Appl	C 375	7	7.2	9573	4	US-09-220-132-168	Sequence 168, App
303	7	7.2	4576	1	US-08-832-887-49	Sequence 2, Appl	C 376	7	7.2	9595	3	US-09-014-416-4	Sequence 4, Appl
304	7	7.2	4746	2	US-08-819-288-2	Sequence 2, Appl	C 377	7	7.2	9599	3	US-09-014-416-2	Sequence 2, Appl

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C 381	7	7.2	10380	3	US-09-077-354B-3	Sequence 3, Appli	C 454	7	7.2	72604	4	US-09-657-474-7	Sequence 7, Appli
C 382	7	7.2	10881	4	US-09-357-206A-9	Sequence 9, Appli	C 455	7	7.2	74962	4	US-09-685-853A-3	Sequence 3, Appli
C 383	7	7.2	11288	3	US-08-646-301A-1	Sequence 1, Appli	C 456	7	7.2	83450	4	US-09-811-463-3	Sequence 3, Appli
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C 385	7	7.2	11288	4	US-08-154-712B-4	Sequence 1, Appli	C 458	7	7.2	87350	3	US-08-781-891-79	Sequence 79, Appli
C 386	7	7.2	12047	2	US-09-022-461-1	Sequence 1, Appli	C 459	7	7.2	87350	4	US-09-618-166-79	Sequence 79, Appli
C 387	7	7.2	12047	4	US-09-033-556-3	Sequence 3, Appli	C 460	7	7.2	87543	3	US-09-791-211-3	Sequence 3, Appli
C 388	7	7.2	12047	4	US-09-474-699-11	Sequence 11, Appli	C 461	7	7.2	90050	3	US-09-245-041-5	Sequence 5, Appli
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C 391	7	7.2	12537	3	US-09-195-940-4	Sequence 4, Appli	C 464	7	7.2	98844	4	US-09-759-353A-3	Sequence 3, Appli
C 392	7	7.2	12537	4	US-09-562-466-4	Sequence 4, Appli	C 465	7	7.2	99500	4	US-09-759-353A-3	Sequence 3, Appli
C 393	7	7.2	12537	3	US-08-811-566-5	Sequence 5, Appli	C 466	7	7.2	111282	4	US-09-754-250-3	Sequence 3, Appli
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C 395	7	7.2	12980	4	US-08-791-849A-14	Sequence 14, Appli	C 468	7	7.2	152331	3	US-09-345-882-1	Sequence 1, Appli
C 396	7	7.2	13011	2	US-08-724-354D-3	Sequence 3, Appli	C 469	7	7.2	162450	4	US-09-426-290-1	Sequence 1, Appli
C 397	7	7.2	13146	3	US-09-270-984A-3	Sequence 3, Appli	C 470	7	7.2	168575	4	US-09-804-471A-3	Sequence 3, Appli
C 398	7	7.2	13146	4	US-09-474-699-10	Sequence 10, Appli	C 471	7	7.2	174493	3	US-09-128-155-17	Sequence 17, Appli
C 399	7	7.2	15056	4	US-08-458-434A-6	Sequence 6, Appli	C 472	7	7.2	176373	3	US-09-734-674-3	Sequence 3, Appli
C 400	7	7.2	15144	3	US-08-458-434A-6	Sequence 6, Appli	C 473	7	7.2	202001	4	US-09-734-674-3	Sequence 3, Appli
C 401	7	7.2	15602	4	US-09-844-634-17	Sequence 17, Appli	C 474	7	7.2	202001	4	US-09-734-674-3	Sequence 3, Appli
C 402	7	7.2	15788	4	US-09-920-759-13	Sequence 13, Appli	C 475	7	7.2	246240	2	US-08-724-394A-20	Sequence 20, Appli
C 403	7	7.2	16595	4	US-09-146-053-7	Sequence 7, Appli	C 476	7	7.2	246240	2	US-08-724-394A-20	Sequence 20, Appli
C 404	7	7.2	17327	1	US-07-906-871-15	Sequence 15, Appli	C 477	7	7.2	246240	2	US-08-724-394A-21	Sequence 21, Appli
C 405	7	7.2	17606	3	US-08-943-731-4	Sequence 4, Appli	C 478	7	7.2	246240	2	US-08-724-394A-21	Sequence 21, Appli
C 406	7	7.2	17656	4	US-09-433-579-3	Sequence 3, Appli	C 479	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
C 407	7	7.2	18443	3	US-08-078-294-6	Sequence 6, Appli	C 480	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
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C 411	7	7.2	26000	4	US-09-843-376-10	Sequence 10, Appli	C 484	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
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C 413	7	7.2	35100	1	US-08-306-691B-19	Sequence 19, Appli	C 486	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
C 414	7	7.2	35100	5	PCT-US93-06251-19	Sequence 19, Appli	C 487	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
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C 423	7	7.2	40352	4	US-09-443-077-15	Sequence 15, Appli	C 496	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appli
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526	6	6.2	142	4	US-09-378-535-60	Sequence 60, Appl	599	6	6.2	415	3	US-09-018-584A-18	Sequence 18, Appl
527	6	6.2	149	4	US-09-250-609-12	Sequence 12, Appl	600	6	6.2	417	4	US-09-216-39B-15	Sequence 15, Appl
528	6	6.2	149	4	US-09-250-611-12	Sequence 12, Appl	601	6	6.2	423	1	US-08-253-155A-70	Sequence 70, Appl
529	6	6.2	181	4	US-09-334-147C-32	Sequence 32, Appl	602	6	6.2	428	4	US-09-495-050A-101	Sequence 101, Appl
530	6	6.2	192	1	US-09-751-782-7	Sequence 7, Appl	603	6	6.2	436	4	US-09-918-686-24	Sequence 24, Appl
531	6	6.2	192	2	US-08-925-171-7	Sequence 7, Appl	604	6	6.2	446	2	US-08-796-414B-5	Sequence 5, Appl
532	6	6.2	195	3	US-09-084-120-20	Sequence 20, Appl	605	6	6.2	446	4	US-09-397-787-261	Sequence 261, Appl
533	6	6.2	205	4	US-09-313-294A-6467	Sequence 6467, Ap	606	6	6.2	450	3	US-08-586-039B-46	Sequence 46, Appl
534	6	6.2	215	4	US-09-250-609-18	Sequence 18, Appl	607	6	6.2	450	4	US-09-699-769-46	Sequence 46, Appl
535	6	6.2	215	4	US-09-250-611-18	Sequence 18, Appl	608	6	6.2	451	3	US-08-866-340-24	Sequence 24, Appl
536	6	6.2	241	4	US-09-643-597-296	Sequence 286, App	609	6	6.2	452	3	US-09-103-875-30	Sequence 30, Appl
537	6	6.2	241	4	US-09-480-884A-296	Sequence 286, App	610	6	6.2	454	4	US-09-495-050A-198	Sequence 198, App
538	6	6.2	241	4	US-09-542-615A-296	Sequence 286, App	611	6	6.2	455	4	US-09-060-756-115	Sequence 115, App
539	6	6.2	241	4	US-09-606-421B-296	Sequence 286, App	612	6	6.2	456	4	US-09-670-314-115	Sequence 115, App
540	6	6.2	249	3	US-08-103-875-13	Sequence 13, Appl	613	6	6.2	456	4	US-09-227-357-110	Sequence 110, App
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543	6	6.2	258	3	US-09-078-294-25	Sequence 25, Appl	616	6	6.2	465	4	US-09-699-769-40	Sequence 40, Appl
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545	6	6.2	261	4	US-09-620-405B-408	Sequence 408, App	618	6	6.2	471	3	US-09-018-584A-6	Sequence 6, Appl
546	6	6.2	261	4	US-09-433-826B-408	Sequence 408, App	619	6	6.2	475	4	US-09-221-017B-561	Sequence 561, App
547	6	6.2	261	4	US-09-604-287A-408	Sequence 408, App	620	6	6.2	482	4	US-09-668-673B-6	Sequence 6, Appl
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549	6	6.2	270	4	US-09-107-532A-97	Sequence 97, Appl	622	6	6.2	493	4	US-09-736-457-201	Sequence 201, App
550	6	6.2	271	2	US-08-731-272A-29	Sequence 29, Appl	623	6	6.2	495	4	US-09-435-050A-12	Sequence 12, Appl
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552	6	6.2	277	4	US-09-389-681-101	Sequence 101, App	625	6	6.2	498	4	US-09-252-991A-1030	Sequence 1030, Ap
553	6	6.2	277	4	US-09-620-405B-101	Sequence 101, App	626	6	6.2	500	3	US-08-755-587-37	Sequence 37, Appl
554	6	6.2	277	4	US-09-338-338-101	Sequence 101, App	627	6	6.2	503	4	US-09-205-258-117	Sequence 117, App
555	6	6.2	277	4	US-09-433-826B-101	Sequence 101, App	628	6	6.2	507	3	US-08-991-789A-253	Sequence 253, App
556	6	6.2	277	4	US-09-604-287A-101	Sequence 101, App	629	6	6.2	507	4	US-09-062-451-253	Sequence 253, App
557	6	6.2	280	3	US-09-060-756-421	Sequence 421, App	630	6	6.2	507	4	US-09-289-198-253	Sequence 253, App
558	6	6.2	280	4	US-09-670-314-421	Sequence 421, App	631	6	6.2	510	4	US-09-252-991A-3148	Sequence 3148, Ap
559	6	6.2	281	1	US-08-087-772A-5	Sequence 5, Appl	632	6	6.2	512	2	US-08-443-639-1	Sequence 1, Appl
560	6	6.2	285	4	US-09-107-532A-2857	Sequence 2857, Ap	633	6	6.2	512	3	US-08-577-483-1	Sequence 1, Appl
561	6	6.2	293	4	US-09-313-294A-4797	Sequence 4797, Ap	634	6	6.2	513	3	US-08-586-039B-44	Sequence 44, Appl
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563	6	6.2	301	2	US-08-332-766A-23	Sequence 23, Appl	636	6	6.2	513	3	US-09-609-759-44	Sequence 44, Appl
564	6	6.2	302	2	US-08-849-701-3	Sequence 3, Appl	637	6	6.2	515	3	US-09-276-531-121	Sequence 121, App
565	6	6.2	305	4	US-09-313-294A-4763	Sequence 4763, Ap	638	6	6.2	517	4	US-09-482-273-45	Sequence 45, Appl
566	6	6.2	316	4	US-09-702-705-1553	Sequence 1553, Ap	639	6	6.2	519	3	US-08-026-343-22	Sequence 22, Appl
567	6	6.2	316	4	US-09-736-457-1553	Sequence 1553, Ap	640	6	6.2	519	3	US-09-362-871-22	Sequence 22, Appl
568	6	6.2	328	4	US-09-439-313-418	Sequence 418, App	641	6	6.2	519	4	US-09-252-991A-7910	Sequence 7910, Ap
569	6	6.2	328	4	US-09-352-616A-418	Sequence 418, App	642	6	6.2	530	4	US-09-451-651-28	Sequence 28, Appl
570	6	6.2	329	3	US-09-018-584A-21	Sequence 21, Appl	643	6	6.2	531	4	US-09-404-879A-138	Sequence 138, App
571	6	6.2	323	4	US-09-328-352-1424	Sequence 1424, Ap	644	6	6.2	531	4	US-09-338-933-138	Sequence 138, App
572	6	6.2	351	3	US-09-060-756-484	Sequence 484, App	645	6	6.2	535	4	US-09-215-681-138	Sequence 922, App
573	6	6.2	351	4	US-09-670-314-484	Sequence 484, App	646	6	6.2	535	4	US-09-736-457-992	Sequence 992, App
574	6	6.2	357	4	US-09-134-001C-19	Sequence 19, Appl	647	6	6.2	537	4	US-09-720-201A-4	Sequence 4, Appl
575	6	6.2	365	1	US-08-253-155A-53	Sequence 53, Appl	648	6	6.2	541	4	US-09-404-879A-11	Sequence 11, Appl
576	6	6.2	365	1	US-08-253-155A-68	Sequence 68, Appl	649	6	6.2	541	4	US-09-338-933-11	Sequence 11, Appl
577	6	6.2	370	1	US-08-330-535A-25	Sequence 25, Appl	650	6	6.2	541	4	US-09-215-681-11	Sequence 11, Appl
578	6	6.2	370	1	US-08-688-145-7	Sequence 7, Appl	651	6	6.2	546	3	US-09-046-479-3	Sequence 3, Appl
579	6	6.2	370	2	US-08-838-844-25	Sequence 25, Appl	652	6	6.2	546	4	US-08-822-897C-3	Sequence 3, Appl
580	6	6.2	376	4	US-09-702-705-7	Sequence 7, Appl	653	6	6.2	551	4	US-09-187-999-32	Sequence 32, Appl
581	6	6.2	376	4	US-09-736-457-7	Sequence 7, Appl	654	6	6.2	551	4	US-09-702-705-1105	Sequence 1105, Ap
582	6	6.2	377	2	US-08-454-557C-37	Sequence 37, Appl	655	6	6.2	551	4	US-09-328-111-84	Sequence 84, Appl
583	6	6.2	377	2	US-08-340-426D-37	Sequence 37, Appl	656	6	6.2	558	3	US-09-736-457-1105	Sequence 50, Appl
584	6	6.2	377	2	US-08-450-673C-37	Sequence 37, Appl	657	6	6.2	561	4	US-09-404-879A-50	Sequence 50, Appl
585	6	6.2	377	5	PCT-US95-17111A-37	Sequence 37, Appl	658	6	6.2	561	4	US-09-338-933-50	Sequence 50, Appl
586	6	6.2	380	4	US-09-453-195A-3	Sequence 3, Appl	659	6	6.2	561	4	US-09-215-681-50	Sequence 50, Appl
587	6	6.2	385	1	US-08-599-252-109	Sequence 109, App	660	6	6.2	571	4	US-09-404-879A-106	Sequence 106, App
588	6	6.2	385	4	US-09-250-609-38	Sequence 38, Appl	661	6	6.2	571	4	US-09-338-933-106	Sequence 106, App
589	6	6.2	385	4	US-09-250-611-38	Sequence 38, Appl	662	6	6.2	571	4	US-09-215-681-106	Sequence 106, App
590	6	6.2	385	5	PCT-US96-06352-109	Sequence 109, App	663	6	6.2	573	4	US-08-936-165A-178	Sequence 178, App
591	6	6.2	385	5	PCT-US96-06583-109	Sequence 109, App	664	6	6.2	576	4	US-09-252-991A-3314	Sequence 3314, Ap
592	6	6.2	393	4	US-09-252-991A-10614	Sequence 10614, A	665	6	6.2	580	3	US-09-328-111-773	Sequence 773, App
593	6	6.2	396	4	US-09-328-352-142	Sequence 142, App	666	6	6.2	583	4	US-09-669-751-152	Sequence 152, App
594	6	6.2	400	1	US-08-620-467A-8	Sequence 8, Appl	667	6	6.2	591	4	US-09-495-050A-104	Sequence 104, App
595	6	6.2	400	1	US-08-348-572-8	Sequence 8, Appl	668	6	6.2	593	3	US-09-385-982-281	Sequence 281, App
596	6	6.2	400	3	US-09-041-090B-8	Sequence 8, Appl	669	6	6.2				

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673	6	6.2	599	4	US-09-495-050A-236	Sequence 236, App	6	746	852	1	US-08-948-176-21	Sequence 21, Appl
674	6	6.2	601	4	US-09-814-951A-14	Sequence 14, Appl	6	747	852	5	PCT-US91-09160-21	Sequence 21, Appl
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680	6	6.2	605	1	US-08-599-252-89	Sequence 89, Appl	6	753	870	4	US-09-328-352-1901	Sequence 1379, A
681	6	6.2	605	5	PCT-US96-06352-89	Sequence 89, Appl	6	754	873	4	US-09-252-991A-13739	Sequence 13739, A
682	6	6.2	605	5	PCT-US96-06583-89	Sequence 89, Appl	6	755	880	4	US-09-841-638-108	Sequence 108, App
683	6	6.2	607	4	US-09-495-050A-14	Sequence 14, Appl	6	756	882	4	US-09-227-357-133	Sequence 133, App
684	6	6.2	609	3	US-09-385-982-291	Sequence 291, App	6	757	882	4	US-09-252-991A-10163	Sequence 10163, A
685	6	6.2	611	4	US-09-740-235-8	Sequence 8, Appl	6	758	884	4	US-09-671-317-16	Sequence 16, Appl
686	6	6.2	619	4	US-09-152-060-17	Sequence 17, Appl	6	759	888	2	US-08-715-204-4	Sequence 4, Appl
687	6	6.2	620	3	US-09-385-982-7	Sequence 7, Appl	6	760	888	2	US-09-162-597-4	Sequence 52, Appl
688	6	6.2	630	3	US-09-328-111-491	Sequence 491, App	6	761	889	1	US-08-832-883-52	Sequence 52, Appl
689	6	6.2	631	3	US-09-385-982-354	Sequence 354, App	6	762	889	2	US-08-832-877-52	Sequence 52, Appl
690	6	6.2	633	4	US-09-252-991A-3398	Sequence 3398, App	6	763	889	2	US-08-105-989-1	Sequence 1, Appl
691	6	6.2	639	3	US-09-328-111-231	Sequence 231, App	6	764	889	3	US-09-138-922-1	Sequence 1, Appl
692	6	6.2	639	4	US-09-252-991A-3354	Sequence 3354, Ap	6	765	889	4	US-09-227-357-88	Sequence 29, Appl
693	6	6.2	639	4	US-09-252-991A-7721	Sequence 7721, Ap	6	766	898	4	US-09-857-556A-29	Sequence 1, Appl
694	6	6.2	642	3	US-08-443-639-2	Sequence 2, Appl	6	767	900	4	US-07-672-530C-1	Sequence 59, Appl
695	6	6.2	642	3	US-08-577-483-2	Sequence 2, Appl	6	768	904	4	US-09-171-209-59	Sequence 1, Appl
696	6	6.2	644	4	US-09-720-201A-6	Sequence 6, Appl	6	769	905	2	US-08-949-603-1	Sequence 1, Appl
697	6	6.2	648	3	US-09-385-982-332	Sequence 332, App	6	770	905	2	US-08-706-270A-1	Sequence 1, Appl
698	6	6.2	658	4	US-09-221-017B-1007	Sequence 1007, Ap	6	771	905	2	US-08-949-580-1	Sequence 1, Appl
699	6	6.2	658	4	US-09-470-191-57	Sequence 57, Appl	6	772	905	2	US-08-950-172A-1	Sequence 1, Appl
700	6	6.2	660	2	US-08-959-865-2	Sequence 2, Appl	6	773	905	4	US-09-138-119C-1	Sequence 1, Appl
701	6	6.2	660	4	US-09-702-705-176	Sequence 176, App	6	775	908	4	US-09-859-845A-19	Sequence 19, Appl
702	6	6.2	660	4	US-09-736-457-176	Sequence 176, App	6	776	909	1	US-07-783-705A-7	Sequence 7, Appl
703	6	6.2	667	1	US-08-425-315-8	Sequence 8, Appl	6	777	912	4	US-09-328-352-2785	Sequence 17, Appl
704	6	6.2	667	3	US-08-715-190-5	Sequence 5, Appl	6	778	921	4	US-09-585-173B-17	Sequence 17, Appl
705	6	6.2	672	3	US-08-943-731-99	Sequence 99, Appl	6	779	925	1	US-09-328-352-3953	Sequence 3953, Ap
706	6	6.2	678	4	US-09-227-357-81	Sequence 81, Appl	6	780	925	5	US-08-544-900-3	Sequence 3, Appl
707	6	6.2	679	3	US-08-642-274D-51	Sequence 51, Appl	6	781	930	4	PCT-US95-0787A-2	Sequence 2, Appl
708	6	6.2	679	3	US-08-953-014C-51	Sequence 51, Appl	6	782	930	4	US-09-252-991A-11070	Sequence 11070, A
709	6	6.2	685	3	US-08-792-832A-47	Sequence 47, Appl	6	783	934	4	US-09-301-666A-5	Sequence 5, Appl
710	6	6.2	685	4	US-09-183-266A-16	Sequence 16, Appl	6	784	940	4	US-09-659-791A-11	Sequence 11, Appl
711	6	6.2	687	3	US-09-267-177-25	Sequence 25, Appl	6	785	949	4	US-09-247-155-148	Sequence 148, App
712	6	6.2	689	4	US-09-105-542A-14	Sequence 14, Appl	6	786	950	2	US-08-901-200A-14	Sequence 14, Appl
713	6	6.2	693	4	US-09-252-991A-11186	Sequence 11186, A	6	787	950	3	US-09-219-391-14	Sequence 26, Appl
714	6	6.2	696	4	US-09-740-235-16	Sequence 16, Appl	6	788	956	4	US-09-641-638-26	Sequence 27, Appl
715	6	6.2	698	4	US-09-171-203-60	Sequence 60, Appl	6	789	956	4	US-09-641-638-27	Sequence 27, Appl
716	6	6.2	699	3	US-09-267-177-24	Sequence 24, Appl	6	790	956	4	US-09-641-638-47	Sequence 47, Appl
717	6	6.2	704	3	US-09-122-400B-8	Sequence 8, Appl	6	791	959	4	US-09-369-247-47	Sequence 47, Appl
718	6	6.2	714	4	US-09-252-991A-10006	Sequence 10006, A	6	792	959	4	US-09-205-258-19	Sequence 19, Appl
719	6	6.2	729	4	US-09-535-008-35	Sequence 35, Appl	6	793	962	1	US-08-658-469-1	Sequence 1, Appl
720	6	6.2	730	4	US-09-663-600A-142	Sequence 142, App	6	794	962	3	US-09-081-420-1	Sequence 24, Appl
721	6	6.2	735	4	US-09-227-357-87	Sequence 87, Appl	6	795	972	1	US-08-330-535A-24	Sequence 24, Appl
722	6	6.2	736	4	US-09-152-060-20	Sequence 20, Appl	6	796	972	2	US-08-838-844-24	Sequence 8, Appl
723	6	6.2	737	2	US-08-963-743-7	Sequence 7, Appl	6	797	972	4	US-09-171-209-8	Sequence 8, Appl
724	6	6.2	742	4	US-09-702-703-1345	Sequence 1345, Ap	6	798	982	4	US-09-221-017B-7	Sequence 7, Appl
725	6	6.2	742	4	US-09-736-457-1345	Sequence 1345, App	6	799	982	4	US-09-173-300-52	Sequence 52, Appl
726	6	6.2	751	4	US-09-227-357-117	Sequence 117, App	6	800	995	4	US-09-134-001C-2351	Sequence 2351, Ap
727	6	6.2	755	1	US-08-791-495-6	Sequence 6, Appl	6	801	996	4	US-09-690-454-33	Sequence 33, Appl
728	6	6.2	755	1	US-08-791-495-8	Sequence 8, Appl	6	802	1000	3	US-09-018-584A-30	Sequence 30, Appl
729	6	6.2	755	4	US-09-288-143-29	Sequence 29, Appl	6	803	1000	3	US-09-018-584A-31	Sequence 31, Appl
730	6	6.2	759	4	US-09-134-001C-1010	Sequence 1010, Ap	6	804	1000	4	US-09-641-638-460	Sequence 460, App
731	6	6.2	762	4	US-09-252-991A-9924	Sequence 9924, Ap	6	805	1000	4	US-09-641-638-636	Sequence 636, App
732	6	6.2	774	4	US-09-252-991A-3254	Sequence 3254, Ap	6	806	1000	4	US-09-641-638-637	Sequence 637, App
733	6	6.2	787	1	US-08-034-245-11	Sequence 11, Appl	6	807	1000	4	US-09-671-317-474	Sequence 374, App
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735	6	6.2	798	4	US-09-288-143-21	Sequence 21, Appl	6	809	1001	4	US-09-641-638-121	Sequence 121, App
736	6	6.2	821	4	US-09-671-317-34	Sequence 34, Appl	6	810	1001	4	US-09-641-638-192	Sequence 192, App
737	6	6.2	823	3	US-08-675-885-1	Sequence 1, Appl	6	811	1001	4	US-09-641-638-200	Sequence 200, App
738	6	6.2	825	2	US-08-486-148B-1	Sequence 1, Appl	6	812	1001	4	US-09-641-638-208	Sequence 208, App
739	6	6.2	827	4	US-09-671-317-15	Sequence 15, Appl	6	813	1001	4	US-09-641-638-279	Sequence 279, App
740	6	6.2	844	3	US-08-927-219-46	Sequence 46, Appl	6	814	1001	4	US-09-641-638-284	Sequence 284, App
741	6	6.2	847	3	US-08-911-853-36	Sequence 36, Appl	6	815	1001	4	US-09-641-638-292	Sequence 292, App
742	6	6.2	847	3	US-09-479-409-36	Sequence 36, Appl	6			4	US-09-641-638-312	Sequence 312, App

C 816	6	6.2	1001	4	US-09-641-638-404	Sequence 404, App	889	6	6.2	1189	4	US-09-369-247-22	Sequence 22, Appl
C 817	6	6.2	1001	4	US-09-641-638-458	Sequence 458, App	890	6	6.2	1194	4	US-09-328-352-3231	Sequence 3231, Ap
C 818	6	6.2	1001	4	US-09-641-638-622	Sequence 622, App	891	6	6.2	1196	4	US-09-482-273-52	Sequence 52, Appl
C 819	6	6.2	1001	4	US-09-641-638-623	Sequence 623, App	892	6	6.2	1212	4	US-09-134-001C-2399	Sequence 2399, Ap
C 820	6	6.2	1001	4	US-09-671-317-12	Sequence 12, Appl	893	6	6.2	1219	4	US-09-737-698B-9	Sequence 9, Appl
C 821	6	6.2	1001	4	US-09-671-317-236	Sequence 236, App	894	6	6.2	1221	4	US-09-107-532A-2019	Sequence 2019, Ap
C 822	6	6.2	1001	4	US-09-671-317-237	Sequence 237, App	895	6	6.2	1225	4	US-09-461-325-101	Sequence 101, App
C 823	6	6.2	1001	4	US-09-671-317-255	Sequence 255, App	896	6	6.2	1233	2	US-08-674-149A-1	Sequence 1, Appl
C 824	6	6.2	1001	4	US-09-671-317-256	Sequence 256, App	897	6	6.2	1236	4	US-09-016-434-1194	Sequence 1194, Ap
C 825	6	6.2	1001	4	US-09-671-317-448	Sequence 448, App	898	6	6.2	1241	4	US-09-016-434-1194	Sequence 1194, Ap
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C 827	6	6.2	1002	1	US-08-791-495-4	Sequence 4, Appl	900	6	6.2	1246	3	US-08-945-296-1	Sequence 1, Appl
C 828	6	6.2	1002	1	US-08-828-323-13	Sequence 13, Appl	901	6	6.2	1246	3	US-09-405-112-1	Sequence 1, Appl
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C 830	6	6.2	1002	4	US-09-967-101-151	Sequence 151, App	903	6	6.2	1257	4	US-09-252-991A-1027	Sequence 1027, Ap
C 831	6	6.2	1003	2	US-08-592-541-151	Sequence 151, App	904	6	6.2	1257	4	US-09-252-991A-13407	Sequence 13407, A
C 832	6	6.2	1003	2	US-08-888-077A-14	Sequence 14, Appl	905	6	6.2	1260	3	US-09-188-930-67	Sequence 67, Appl
C 833	6	6.2	1003	3	US-09-124-698-151	Sequence 151, App	906	6	6.2	1260	4	US-09-358-856C-13	Sequence 13, Appl
C 834	6	6.2	1003	3	US-09-127-480-151	Sequence 151, App	907	6	6.2	1268	4	US-09-369-247-42	Sequence 42, Appl
C 835	6	6.2	1003	3	US-08-496-841C-151	Sequence 151, App	908	6	6.2	1269	1	US-08-212-190A-1	Sequence 1, Appl
C 836	6	6.2	1003	4	US-09-124-523-151	Sequence 151, App	909	6	6.2	1269	2	US-08-300-321-1	Sequence 1, Appl
C 837	6	6.2	1003	4	US-09-636-796A-151	Sequence 92, Appl	910	6	6.2	1269	5	PCT-US95-03610-1	Sequence 30, Appl
C 838	6	6.2	1004	4	US-09-328-475C-41	Sequence 41, Appl	911	6	6.2	1277	4	US-09-187-999-30	Sequence 217, App
C 839	6	6.2	1004	4	US-09-071-035-493	Sequence 493, App	912	6	6.2	1287	4	US-09-564-805-217	Sequence 2, Appl
C 840	6	6.2	1005	3	US-09-084-420-17	Sequence 17, Appl	913	6	6.2	1288	2	US-09-172-977-2	Sequence 2, Appl
C 841	6	6.2	1013	3	US-08-314-309A-15	Sequence 15, Appl	914	6	6.2	1290	1	US-08-448-744-5	Sequence 5, Appl
C 842	6	6.2	1018	1	US-09-328-475C-42	Sequence 42, Appl	915	6	6.2	1301	4	US-08-983-502-19	Sequence 19, Appl
C 843	6	6.2	1020	4	US-08-592-126-92	Sequence 92, Appl	916	6	6.2	1301	4	US-09-516-747-19	Sequence 19, Appl
C 844	6	6.2	1033	1	US-09-172-300-46	Sequence 46, Appl	917	6	6.2	1301	5	PCT-US96-10521-15	Sequence 15, Appl
C 845	6	6.2	1033	4	US-09-168-585-92	Sequence 92, Appl	918	6	6.2	1302	4	US-09-252-991A-3052	Sequence 3052, Ap
C 846	6	6.2	1034	4	US-09-358-856C-7	Sequence 7, Appl	919	6	6.2	1320	4	US-08-983-502-15	Sequence 15, Appl
C 847	6	6.2	1034	4	US-09-358-856C-10	Sequence 10, Appl	920	6	6.2	1323	4	US-09-516-747-15	Sequence 15, Appl
C 848	6	6.2	1035	4	US-09-358-856C-3	Sequence 3, Appl	921	6	6.2	1323	5	PCT-US96-10521-15	Sequence 15, Appl
C 849	6	6.2	1035	4	US-09-358-856C-5	Sequence 5, Appl	922	6	6.2	1323	4	US-09-913-915-4	Sequence 24, Appl
C 850	6	6.2	1035	4	US-09-358-856C-8	Sequence 8, Appl	923	6	6.2	1326	4	US-09-370-838-24	Sequence 27, Appl
C 851	6	6.2	1035	4	US-09-358-856C-9	Sequence 9, Appl	924	6	6.2	1331	4	US-09-370-838-27	Sequence 28, Appl
C 852	6	6.2	1035	4	US-09-358-856C-11	Sequence 11, Appl	925	6	6.2	1331	4	US-09-328-352-2450	Sequence 2450, Ap
C 853	6	6.2	1035	3	US-09-073-587-7	Sequence 7, Appl	926	6	6.2	1331	4	US-09-370-838-28	Sequence 28, Appl
C 854	6	6.2	1051	3	US-09-663-600A-134	Sequence 134, App	927	6	6.2	1333	4	US-08-481-658B-44	Sequence 44, Appl
C 855	6	6.2	1053	1	US-08-402-217A-1	Sequence 1, Appl	928	6	6.2	1334	2	US-08-477-504A-44	Sequence 44, Appl
C 856	6	6.2	1056	1	US-08-700-178-1	Sequence 1, Appl	929	6	6.2	1334	2	US-08-486-756B-44	Sequence 44, Appl
C 857	6	6.2	1056	1	US-08-995-654-1	Sequence 1, Appl	930	6	6.2	1334	2	US-08-485-862B-44	Sequence 44, Appl
C 858	6	6.2	1056	3	US-08-726-306A-16	Sequence 16, Appl	931	6	6.2	1334	2	US-08-787-739-44	Sequence 44, Appl
C 859	6	6.2	1059	2	US-09-149-922-3	Sequence 3, Appl	932	6	6.2	1334	3	US-08-487-077A-44	Sequence 44, Appl
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C 861	6	6.2	1076	4	US-09-252-991A-7413	Sequence 7413, Ap	934	6	6.2	1334	3	US-09-177-776-44	Sequence 44, Appl
C 862	6	6.2	1083	4	US-09-620-312D-136	Sequence 136, App	935	6	6.2	1334	3	US-09-252-991A-7979	Sequence 7979, Ap
C 863	6	6.2	1085	4	US-09-663-600A-40	Sequence 40, Appl	936	6	6.2	1334	4	US-09-107-532A-261	Sequence 261, App
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C 865	6	6.2	1101	1	US-08-159-969-1	Sequence 1, Appl	938	6	6.2	1347	4	US-08-522-217-105	Sequence 15, Appl
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C 867	6	6.2	1110	2	US-08-851-088-9	Sequence 3, Appl	940	6	6.2	1352	3	US-08-618-408B-3	Sequence 3, Appl
C 868	6	6.2	1110	2	US-08-851-088-9	Sequence 48, Appl	941	6	6.2	1355	3	US-08-415-655-14	Sequence 14, Appl
C 869	6	6.2	1112	4	US-09-173-300-48	Sequence 48, Appl	942	6	6.2	1355	3	US-08-087-772A-4	Sequence 4, Appl
C 870	6	6.2	1112	4	US-09-358-856C-4	Sequence 4, Appl	943	6	6.2	1360	1	US-08-087-772A-4	Sequence 4, Appl
C 871	6	6.2	1113	4	US-09-252-991A-7281	Sequence 7281, Ap	944	6	6.2	1361	4	US-08-929-329-4	Sequence 4, Appl
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C 873	6	6.2	1122	3	US-09-036-57A-8	Sequence 8, Appl	946	6	6.2	1363	1	PCT-US95-09145A-21	Sequence 10, Appl
C 874	6	6.2	1134	4	US-09-252-991A-8078	Sequence 8078, Ap	947	6	6.2	1366	5	US-09-265-630-10	Sequence 5, Appl
C 875	6	6.2	1134	4	US-09-690-454-13	Sequence 13, Appl	948	6	6.2	1368	3	US-08-707-399E-1	Sequence 14, Appl
C 876	6	6.2	1139	4	US-09-328-352-461	Sequence 461, App	949	6	6.2	1368	3	US-08-577-483-14	Sequence 16, Appl
C 877	6	6.2	1149	4	US-09-134-001C-600	Sequence 600, App	950	6	6.2	1375	4	US-09-511-625B-55	Sequence 55, Appl
C 878	6	6.2	1155	4	US-09-328-352-1125	Sequence 1125, Ap	951	6	6.2	1381	2	US-08-454-557C-49	Sequence 49, Appl
C 879	6	6.2	1155	4	US-09-482-273-38	Sequence 38, Appl	952	6	6.2	1381	2	US-08-340-436D-49	Sequence 49, Appl
C 880	6	6.2	1163	4	US-08-087-772A-3	Sequence 3, Appl	953	6	6.2	1381	5	PCT-US95-17111A-49	Sequence 49, Appl
C 881	6	6.2	1164	1	US-09-149-476-79	Sequence 79, Appl	954	6	6.2	1383	4	US-09-252-991A-2909	Sequence 2909, Ap
C 882	6	6.2	1168	3	US-08-755-587A-33	Sequence 33, Appl	955	6	6.2				
C 883	6	6.2	1171	3	US-08-244-951A-9	Sequence 9, Appl	956	6	6.2				
C 884	6	6.2	1173	2	US-08-389-011-24	Sequence 24, Appl	957	6	6.2				
C 885	6	6.2	1173	2	US-08-403-917A-24	Sequence 24, Appl	958	6	6.2				
C 886	6	6.2	1173	3	US-09-348-952A-24	Sequence 24, Appl	959	6	6.2				
C 887	6	6.2	1173	4	US-09-962-665-7	Sequence 7, Appl	960	6	6.2				
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TITLE OF INVENTION: No. 6218510el Forms of T Cell Costimulatory Molecules
 TITLE OF INVENTION: and Uses Therefor
 NUMBER OF SEQUENCES: 61
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/205,697A
 FILING DATE: 02-Mar-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandragoras, Amy E.
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: BWI-120
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 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1753 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 US-08-205-697A-6

Alignment Scores:
 Pred. No.: 3.79 Length: 1753
 Score: 9.00 Matches: 9
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
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US-09-854-133-586 (1-97) x US-08-205-697A-6 (1-1753)

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RESULT 5

US-08-702-525-6/c

; Sequence 6, Application US/08702525

; Patent No. 6294660

; GENERAL INFORMATION:

; APPLICANT: Sharpe, Sharpe

; APPLICANT: Borriello, Francescopaolo

; APPLICANT: Freeman, Gordon

; APPLICANT: Nadler, Lee

; TITLE OF INVENTION: No. 6294660el Forms of T Cell Costimulatory

; NUMBER OF SEQUENCES: 65

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 28 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1875

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

US-09-854-133-586 (1-97) x US-08-413-813-18 (1-36)

Oy 26 GluArgLysLysLysArgGluArgLys 34
 Db 33 GAGAGAGAGAGAGAGAGAGAGAGAGAAA 7

RESULT 3

US-08-467-346-18/c

; Sequence 18, Application US/08467346

; Patent No. 5872105

; GENERAL INFORMATION:

; APPLICANT: Kool, Eric T.

; TITLE OF INVENTION: SINGLE-STRANDED, CIRCULAR OLIGONUCLEOTIDES

; NUMBER OF SEQUENCES: 44

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Scully, Scott, Murphy & Presser

; STREET: 400 Garden City Plaza

; CITY: Garden City

; STATE: New York

; COUNTRY: USA

; ZIP: 11530

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,346

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/413,813

; FILING DATE: 30-MAR-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Digiglio, Frank S.

; REGISTRATION NUMBER: 31,346

; REFERENCE/DOCKET NUMBER: 80852YX

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (516) 742-4343

; TELEFAX: (516) 742-4366

; TELEX: 230 901 SANS UR

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 36 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: circular

; US-08-467-346-18

Alignment Scores:

Pred. No.: 0.102 Length: 36

Score: 9.00 Matches: 9

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 9.28% Indels: 0

DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-467-346-18 (1-36)

Oy 26 GluArgLysLysLysArgGluArgLys 34
 Db 33 GAGAGAGAGAGAGAGAGAGAGAGAGAAA 7

RESULT 4

US-08-205-697A-6/c

; Sequence 6, Application US/08205697A

; Patent No. 6218510

; GENERAL INFORMATION:

; APPLICANT: Sharpe, Arlene H.

; APPLICANT: Borriello, Francescopaolo

; APPLICANT: Freeman, Gordon J.

; APPLICANT: Nadler, Lee M.

```
; APPLICATION NUMBER: US/08/702,525
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/205,697
; FILING DATE: 02-Mar-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: BWI-120CPUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1753 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; US-08-702-525-6

Alignment Scores:          3.79          Length: 1753
Pred. No.:                9.00          Matches: 9
Score:                    100.00%        Conservative: 0
Percent Similarity:      100.00%        Mismatches: 0
Best Local Similarity:   100.00%        Indels: 0
Query Match:             9.28%          Gaps: 0
DB:

US-09-854-133-586 (1-97) x PCT-US95-02576-6 (1-1753)
QY      23 ArgLysLysGluArgLysLysLysArg 31
      |||||
Db      740 AGAAAAAGAGAGAGAGAGAGAGAGAG 714
      |||||

RESULT 7
US-09-306-595C-5
; Sequence 5, Application US/09306595C
; Patent No. 6284506
; GENERAL INFORMATION:
; APPLICANT: HOSHINO, Tatsuo
; APPLICANT: OJIMA, Kazuyuki
; APPLICANT: SETOGUCHI, Yutaka
; TITLE OF INVENTION: ISOPRENOID PRODUCTION
; FILE REFERENCE: ISOPRENOID PRODUCTION
; CURRENT APPLICATION NUMBER: US/09/306,595C
; CURRENT FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 98108210
; PRIOR FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 4092
; TYPE: DNA
; ORGANISM: Phaffia rhodozyma
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (787)..(788)
; OTHER INFORMATION: EXPERIMENTAL
; NAME/KEY: exon
; LOCATION: (852)..(986)
; NAME/KEY: intron
; LOCATION: (987)..(1173)
; NAME/KEY: exon
; LOCATION: (1174)..(1317)
; NAME/KEY: intron
; LOCATION: (1318)..(1468)
; NAME/KEY: exon
; LOCATION: (1469)..(1549)
; NAME/KEY: intron
; LOCATION: (1550)..(1671)
; NAME/KEY: exon
; LOCATION: (1672)..(1794)
; NAME/KEY: intron
; LOCATION: (1795)..(1890)
; NAME/KEY: exon
; LOCATION: (1891)..(1979)
; NAME/KEY: intron
; LOCATION: (1980)..(2092)
; NAME/KEY: exon
; LOCATION: (2093)..(2165)
; NAME/KEY: intron
; LOCATION: (2166)..(2250)
; NAME/KEY: exon
; LOCATION: (2251)..(2391)
; NAME/KEY: intron
; LOCATION: (2392)..(2488)
; NAME/KEY: exon
; LOCATION: (2489)..(2652)
; NAME/KEY: intron

; APPLICATION NUMBER: US/08/702,525
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/205,697
; FILING DATE: 02-Mar-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: BWI-120CPUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1753 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; US-08-702-525-6

Alignment Scores:          3.79          Length: 1753
Pred. No.:                9.00          Matches: 9
Score:                    100.00%        Conservative: 0
Percent Similarity:      100.00%        Mismatches: 0
Best Local Similarity:   100.00%        Indels: 0
Query Match:             9.28%          Gaps: 0
DB:

US-09-854-133-586 (1-97) x US-08-702-525-6 (1-1753)
QY      23 ArgLysLysGluArgLysLysLysArg 31
      |||||
Db      740 AGAAAAAGAGAGAGAGAGAGAGAGAG 714
      |||||

RESULT 6
PCT-US95-02576-6/c
; Sequence 6, Application PC/TUS9502576
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Novel Forms of T Cell Costimulatory Molecules
; TITLE OF INVENTION: And Uses Therefor
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/02576
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/205,697
; FILING DATE: 02-Mar-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: BWI-120CPCP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1753 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
```

```

1  APPLICANT: BOWLE, DENNIS C.
2  TITLE OF INVENTION: Human  $\alpha$ -Thalassemia Mutations as a Predictor of
3  TITLE OF INVENTION: Blood-Related Disorders
4  NUMBER OF SEQUENCES: 13
5  CORRESPONDENCE ADDRESS:
6

```

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (485)..(485)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (838)..(838)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (16728)..(16728)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (22750)..(22750)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (22756)..(22756)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (28519)..(28519)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (44804)..(44804)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (45002)..(45002)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (54049)..(54049)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (54226)..(54226)
; OTHER INFORMATION: n is not determined
; US-09-491-356C-1

Alignment Scores:
Pred. No.:      93.8      Length:      55298
Score:          9.00      Matches:     9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches:    0
Query Match:     9.28%   Indels:         0
DB:              4       Gaps:         0

US-09-854-133-586 (1-97) x US-09-491-356C-1 (1-55298)

Qy      23 ArglyLysGluArgLysLysArg 31
Db      51542 AGAAGAAGAAAGAAAAGAAAAAGAGA 51568

RESULT 12
US-09-009-913-1/c
; Sequence 1, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axys Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
```


APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 72928 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-09-009-913-1

Alignment Scores: 121 72928
Pred. No.: 9.00
Score: 9.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 9.28%
Indels: 0
Gaps: 0

US-09-854-133-586 (1-97) x US-09-009-913-1 (1-72928)

Qy 1 GluValGluValSerArgAspHisala 9

Db 47805 GAGGTGAAGTGACGACGATCACGCC 47779

RESULT 13

US-09-128-155-16
Sequence 16, Application US/09128155
Patent No. 6117654

GENERAL INFORMATION:

APPLICANT: Pan, Yang

TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 09404/052001

CURRENT APPLICATION NUMBER: US/09/128,155

CURRENT FILING DATE: 1998-08-03

EARLIER APPLICATION NUMBER: US 60/091,650

EARLIER FILING DATE: 1998-07-02

EARLIER APPLICATION NUMBER: US 60/054,646

EARLIER FILING DATE: 1997-08-04

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 16

LENGTH: 152331

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc_feature

LOCATION: (1)...(152331)

OTHER INFORMATION: n = A,T,C or G

US-09-128-155-16

Alignment Scores: 241 152331
Pred. No.: 9.00
Score: 9.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 9.28%
Indels: 0
Gaps: 0

US-09-854-133-586 (1-97) x US-09-128-155-16 (1-152331)

Qy 10 SerLeuGlyAspSerGluThrIeuSer 18

Db 118192 AGCCTGGTGACGACGACCTTGCT 118218

RESULT 14

US-08-004-800-16/c
Sequence 16, Application US/08004800
Patent No. 5426180

GENERAL INFORMATION:

APPLICANT: Kool, Eric T.

TITLE OF INVENTION: SINGLE-STRANDED, CIRCULAR

TITLE OF INVENTION: OLIGONUCLEOTIDES

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Scully, Scott, Murphy & Presser

STREET: 400 Garden City Plaza

CITY: Garden City

STATE: New York

COUNTRY: USA

ZIP: 11530

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/004,800

FILING DATE: 19930111

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: McNulty, William E.

REGISTRATION NUMBER: 22,606

REFERENCE/DOCKET NUMBER: 8085ZY

TELECOMMUNICATION INFORMATION:

TELEPHONE: (516) 742-4343

TELEFAX: (516) 742-4366

TELEX: 230 901 SANS UR

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 36 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

US-08-004-800-16

Alignment Scores: 1.08 36
Pred. No.: 8.00
Score: 8.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 8.25%
Indels: 0
Gaps: 0

US-09-854-133-586 (1-97) x US-08-004-800-16 (1-36)

Qy 27 ArgLysLysLysArgGluArgLys 34

Db 35 AGAAAAAAGAGAGAGAGAAA 12

RESULT 15

US-08-413-813-16/c

Sequence 16, Application US/08413813

Patent No. 5683874

GENERAL INFORMATION:

APPLICANT: Kool, Eric T.

TITLE OF INVENTION: SINGLE-STRANDED, CIRCULAR OLIGONUCLEOTIDES

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Scully, Scott, Murphy & Presser

STREET: 400 Garden City Plaza

CITY: Garden City

STATE: New York

COUNTRY: USA

ZIP: 11530

COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/413.813
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8085ZYX
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; Alignment Scores:
; Pred. No.: 1.08 Length: 36
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 1 Gaps: 0
;
; US-08-413-813-16
;
; Alignment Scores:
; Pred. No.: 1.08 Length: 36
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 1 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-413-813-16 (1-36)
;
; QY 27 ArgLysLysLysArgGluArgLys 34
; DB 35 AGAAAAAAAAAAAGAGAGAGAAAA 12
;
; RESULT 16
; US-08-467-346-16/c
; Sequence 16, Application US/08467346
; Patent No. 5872105
; GENERAL INFORMATION:
; APPLICANT: Kool, Eric T.
; TITLE OF INVENTION: SINGLE-STRANDED, CIRCULAR OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,346
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/413,813
; FILING DATE: 30-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8085ZYX
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
```

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; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-467-346-16
;
; Alignment Scores:
; Pred. No.: 1.08 Length: 36
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 2 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-467-346-16 (1-36)
;
; QY 27 ArgLysLysLysArgGluArgLys 34
; DB 35 AGAAAAAAAAAAAGAGAGAGAAAA 12
;
; RESULT 17
; US-08-120-18/c
; Sequence 18, Application US/09084120
; Patent No. 6251592
; GENERAL INFORMATION:
; APPLICANT: TANG, JianQing
; APPLICANT: MELANCON, Serge B.
; TITLE OF INVENTION: A NOVEL STR MARKER SYSTEM
; TITLE OF INVENTION: FOR DNA FINGERPRINTING
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SWABEY OGILVY RENAULT
; STREET: Suite 1600, 1981 McGill College Avenue
; CITY: Montreal
; STATE: QC
; COUNTRY: Canada
; ZIP: H3A 2Y3
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/084,120
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: COTE, France
; REGISTRATION NUMBER: 37,037
; REFERENCE/DOCKET NUMBER: 13251-4US FC/ld
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 514 845-7126
; TELEFAX: 514 288-8389
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-09-084-120-18
;
; Alignment Scores:
; Pred. No.: 3.78 Length: 139
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
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Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-084-120-18 (1-139)

OY 23 AGLysLysGluArgLysLysLys 30
DB 122 AGAAAGAAAGAAAGAAAGAA 99

RESULT 18

US-09-702-705-1208/C

; Sequence 1208, Application US/09702705

; Patent No. 6504010

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Pan, Liqun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C14

; CURRENT APPLICATION NUMBER: US/09/702,705

; CURRENT FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 1833

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1208

; LENGTH: 260

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(260)

; OTHER INFORMATION: n = A,T,C or G

US-09-702-705-1208

Alignment Scores: 6.78 Length: 260
Pred. No.: 8.00 Matches: 8
Score: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-586 (1-97) x US-09-702-705-1208 (1-260)

OY 24 LysLysGluArgLysLysLysArg 31

DB 111 AAAAAGAAAGAAAGAAAGAA 88

RESULT 19

US-09-736-457-1208/c

; Sequence 1208, Application US/09736457

; Patent No. 6509448

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Fan, Liqun

; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C15

; CURRENT APPLICATION NUMBER: US/09/736,457

; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1208
; LENGTH: 260

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(260)

; OTHER INFORMATION: n = A,T,C or G

US-09-736-457-1208

Alignment Scores: 6.78 Length: 260
Pred. No.: 8.00 Matches: 8
Score: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-586 (1-97) x US-09-736-457-1208 (1-260)

OY 24 LysLysGluArgLysLysLysArg 31

DB 111 AAAAAGAAAGAAAGAAAGAA 88

RESULT 20

US-07-922-723A-7

; Sequence 7, Application US/07922723A

; Patent No. 5369004

; GENERAL INFORMATION:

; APPLICANT: Drs. Michael H. Polymeropoulos

; APPLICANT: and Carl R. Merril

; TITLE OF INVENTION: FIVE HIGHLY INFORMATIVE

; TITLE OF INVENTION: REPEAT POLYMORPHIC DNA MARKERS

; NUMBER OF SEQUENCES: 73

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lowe, Price, LeBlanc & Becker

; STREET: Suite 300, 99 Canal Center Plaza

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: USA

; ZIP: 22314

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: DOS Text File

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/922,723A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: D.J. Mills

; REGISTRATION NUMBER: 34506

; REFERENCE/DOCKET NUMBER: 717081B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 703 684 1111

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 291

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-07-922-723A-7

Alignment Scores: 7.52 Length: 291
Pred. No.: 8.00 Matches: 8
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00%

```

; TITLE OF INVENTION: POLYMORPHIC DNA MARKERS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/074,275
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/707,501
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 717081
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 291
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-074-275-7

Alignment Scores:
Pred. No.: 7.52 Length: 291
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-074-275-7 (1-291)

QY 23 ArgLysLysGluArgLysLys 30
|||
Db 169 AGAAGAAAGAAAGAAAGAAAG 192
|||||

RESULT 23
US-08-480-366-7
; Sequence 7, Application US/08480366
; Patent No. 5721100
; GENERAL INFORMATION:
; APPLICANT: Drs. Carl R. Merrill and
; APPLICANT: Michael H. Polymeropoulos
; TITLE OF INVENTION: THREE HIGHLY INFORMATIVE REPEAT
; TITLE OF INVENTION: POLYMORPHIC DNA MARKERS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/480,366
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: J.G. Mullins
REGISTRATION NUMBER: 33073
REFERENCE/DOCKET NUMBER: 717081
TELEPHONE: 703 684 1111
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 291
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-480-366-7

Alignment Scores: 291
Pred. No.: 7.52 Length: 291
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-480-366-7 (1-291)

QY 23 ArgLysLysGluArgLysLys 30
Db 169 AGAAGAGAGAGAGAGAGAGAG 192

RESULT 24

US-07-952-277A-7
Sequence 7, Application US/07952277A
Patent No. 5961504
GENERAL INFORMATION:
APPLICANT: Drs. Michael H. Polymeropoulos
APPLICANT: and Carl R. Merril
TITLE OF INVENTION: ELEVEN HIGHLY INFORMATIVE
TITLE OF INVENTION: REPEAT POLYMORPHIC DNA MARKERS
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lowe, Price, Leblanc & Becker
STREET: Suite 300, 99 Canal Center Plaza
CITY: Alexandria
STATE: Virginia
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: DOS Text File
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/952,277A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: D.J. Mills
REGISTRATION NUMBER: 34506
REFERENCE/DOCKET NUMBER: 717081C
TELEPHONE: 703 684 1111
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 291
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-952-277A-7

Alignment Scores:
Pred. No.: 7.52 Length: 291
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0
US-09-854-133-586 (1-97) x US-07-952-277A-7 (1-291)
QY 23 ArgLysLysGluArgLysLys 30
Db 169 AGAAGAGAGAGAGAGAGAGAG 192
RESULT 25
US-08-623-906A-19
Sequence 19, Application US/08623906A
Patent No. 5874217
GENERAL INFORMATION:
APPLICANT: Stevenson, Tamara
APPLICANT: Dvorak, Jan
APPLICANT: Halverson, Joy
TITLE OF INVENTION: Microsatellite Sequences for Canine
TITLE OF INVENTION: Genotyping
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: US
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/623,906A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J.
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: A-62282/BIR
TELEPHONE: 415-781-1989
TELEFAX: 415-398-3249
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..128
OTHER INFORMATION: /note= "Nucleotides 1-128 are
OTHER INFORMATION: unique flanking sequence"
FEATURE:
NAME/KEY: misc feature
LOCATION: 129..199
OTHER INFORMATION: /note= "Nucleotides 129-199 are
OTHER INFORMATION: repeat sequence"
FEATURE:
NAME/KEY: misc feature
LOCATION: 200..299
OTHER INFORMATION: /note= "Nucleotides 200-299 are
OTHER INFORMATION: unique flanking sequence"
US-08-623-906A-19
Alignment Scores:

```
Pred. No.: 7.72 Length: 299
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-19 (1-299)

Qy 23 ArgLysLysGluArgLysLysLys 30
Db 176 AGAAGAAAGAAAGAAAGAAAG 199

RESULT 26
US-08-623-906A-17
; Sequence 17, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..109
; OTHER INFORMATION: /note= "Nucleotides 1-109 are
; unique flanking sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 110..195
; OTHER INFORMATION: /note= "Nucleotides 110-195 are
; unique flanking sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 196..350
; OTHER INFORMATION: /note= "Nucleotides 196-350 are
; unique flanking sequence"
US-08-623-906A-17

Alignment Scores:
Pred. No.: 8.93 Length: 350
```

```
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-17 (1-350)

Qy 23 ArgLysLysGluArgLysLysLys 30
Db 118 AGAAAAAGAAAGAAAGAAAG 141

RESULT 27
US-09-157-177-110
; Sequence 110, Application US/09157177
; Patent No. 6090558
; GENERAL INFORMATION:
; APPLICANT: Butler, John M.
; APPLICANT: Li, Jia
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; TITLE OF INVENTION: DNA TYPING BY MASS SPECTROMETRY WITH
; POLYMORPHIC DNA
; TITLE OF INVENTION: REPEAT MARKERS
; FILE REFERENCE: GETR:017/GETR017P
; CURRENT APPLICATION NUMBER: US/09/157,177
; CURRENT FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 60/059,415
; EARLIER FILING DATE: 1997-09-19
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 110
; LENGTH: 350
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-157-177-110

Alignment Scores:
Pred. No.: 8.93 Length: 350
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-157-177-110 (1-350)

Qy 22 LeuArgLysLysGluArgLysLys 29
Db 70 CTCAGAAAGAAAGAAAGAAAG 93

RESULT 28
US-08-623-906A-18
; Sequence 18, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

```

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623.906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..79
; OTHER INFORMATION: /note= "Nucleotides 1-79 are unique
; OTHER INFORMATION: flanking sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 80..229
; OTHER INFORMATION: /note= "Nucleotides 80-229 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 230..376
; OTHER INFORMATION: /note= "Nucleotides 230-376 are
; OTHER INFORMATION: unique flanking sequence"
; US-08-623-906A-18
;
; Alignment Scores:
; Pred. No.: 9.55 Length: 376
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 2 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-623-906A-18 (1-376)
;
; QY 23 ArgLysLysGluArgLysLysLys 30
; DB 98 AGAAGAAGAAGAAGAAGAAGA 121
;
; RESULT 29
; US-08-623-906A-13/c
; Sequence 13, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

```

```

; APPLICATION NUMBER: US/08/623.906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 388 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..131
; OTHER INFORMATION: /note= "Nucleotides 1-131 are
; OTHER INFORMATION: unique flanking sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 132..235
; OTHER INFORMATION: /note= "Nucleotides 132-235 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 236..388
; OTHER INFORMATION: /note= "Nucleotides 236-388 are
; OTHER INFORMATION: unique flanking sequence"
; US-08-623-906A-13
;
; Alignment Scores:
; Pred. No.: 9.83 Length: 388
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 2 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-623-906A-13 (1-388)
;
; QY 23 ArgLysLysGluArgLysLysLys 30
; DB 176 AGAAGAAGAAGAAGAAGAAGA 153
;
; RESULT 30
; US-09-018-584A-22
; Sequence 22, Application US/09018584A
; Patent No. 6238863
; GENERAL INFORMATION:
; APPLICANT: Schumm, James W.
; APPLICANT: Bacher, Jeffery W.
; TITLE OF INVENTION: MATERIALS AND METHODS FOR
; TITLE OF INVENTION: IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
; TITLE OF INVENTION: REPEAT DNA MARKERS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Promega Corporation
; STREET: 2800 Woods Hollow Road
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: U.S.A.
; ZIP: 53711-5399
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
; COMPUTER: IBM compatible PC
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Word 97 (DOS text format)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/018.584A

```

;; FILING DATE: 04-Feb-1998
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Grady J. Frenchick
;; REGISTRATION NUMBER: 29,018
;; REFERENCE/DOCKET NUMBER: 16026.9180
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (608) 257-3501
;; TELEFAX: (608) 257-2275
;; INFORMATION FOR SEQ ID NO: 22:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 412 bp
;; TYPE: Nucleic Acid
;; STRANDEDNESS: Double
;; TOPOLOGY: Circular
;; MOLECULE TYPE: Genomic DNA
;; HYPOTHETICAL: no
;; IMMEDIATE SOURCE:
;; LIBRARY: plasmid, pGem3zf(+)
;; CLONE: G234
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT: 16 qter
;;
US-09-018-584A-22

Alignment Scores:
Pred. No.: 10.4 Length: 412
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-018-584A-22 (1-412)

Qy 22 LeuArgLysLysGluArgLysLys 29
|||
Db 49 CTCAGAAAAAGAAAGAAAGAAA 72

RESULT 31
US-08-623-906A-6
; Sequence 6, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 6:
;

;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 454 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 1..133
;; OTHER INFORMATION: /note= "Nucleotides 1-133 are
;; OTHER INFORMATION: unique flanking sequence"
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 134..307
;; OTHER INFORMATION: /note= "Nucleotides 134-207 are
;; OTHER INFORMATION: repeat sequence"
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 308..454
;; OTHER INFORMATION: /note= "Nucleotides 308-454 are
;; OTHER INFORMATION: unique flanking sequence"
;;
US-08-623-906A-6

Alignment Scores:
Pred. No.: 11.4 Length: 454
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-6 (1-454)

Qy 23 ArchLysLysGluArgLysLysLys 30
|||
Db 216 AGAAGAAAGAAAGAAAGAAAG 239

RESULT 32
US-09-385-982-31
; Sequence 31, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON C., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: II
; FILE REFERENCE: CCDA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 485
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(485)
; OTHER INFORMATION: n = A,T,C or G
;;
US-09-385-982-31

Alignment Scores:
Pred. No.: 12.1 Length: 485
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-385-982-31 (1-485)

QY 23 ArgLysLysGluArgLysLys 30
|||||
Db 136 AGAAGAGAGAGAGAGAGAAA 159

RESULT 33

US-08-332-766A-22
; Sequence 22, Application US/08332766A
; Patent No. 5843647

GENERAL INFORMATION:

APPLICANT: JEFFREYS, Alec J.
APPLICANT: ARMOUR, John
TITLE OF INVENTION: SIMPLE TANDEM REPEATS
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DAREY & CUSHMAN, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20005-3918

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/332.766A

FILING DATE: 01-NOV-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

FILING DATE: 21-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: BIRD, Donald J.

REGISTRATION NUMBER: 25,323

REFERENCE/DOCKET NUMBER: 217211/M94/0434/GB

TELEPHONE: (202) 861-3000

TELEFAX: (202) 822-0944

TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 494 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-332-766A-22

Alignment Scores:

Pred. No.:	12.3	Length:	494
Score:	8.00	Matches:	8
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	8.25%	Indels:	0
DB:	2	Gaps:	0

US-09-854-133-586 (1-97) x US-08-332-766A-22 (1-494)

QY 23 ArgLysLysGluArgLysLys 30
|||||
Db 108 AGAAGAGAGAGAGAGAGAAA 131

RESULT 34

US-09-103-359-4
; Sequence 4, Application US/09103359
; Patent No. 6057108

GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.

APPLICANT: Bandman, Olga

APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Yue, Henry
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN ARF-RELATED PROTEINS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/103,359
FILING DATE: HEREWITH

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Cerrone, Michael C.

REGISTRATION NUMBER: 39,132

REFERENCE/DOCKET NUMBER: PF-0537 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-855-0572

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1005 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: COLNNOT13

CLONE: 1333754

US-09-103-359-4

Alignment Scores:

Pred. No.:	23.8	Length:	1005
Score:	8.00	Matches:	8
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	8.25%	Indels:	0
DB:	3	Gaps:	0

US-09-854-133-586 (1-97) x US-09-103-359-4 (1-1005)

QY 23 ArgLysLysGluArgLysLys 30
|||||
Db 115 AGAAGAGAGAGAGAGAGAAA 138

RESULT 35

US-08-097-938-3

; Sequence 3, Application US/08097938

; Patent No. 5629174

GENERAL INFORMATION:

APPLICANT: SUNDELIN, JOHAN

APPLICANT: SCARBOROUGH, ROBERT M.

TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR AND ITS

TITLE OF INVENTION: AGONISTS AND ANTAGONISTS

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER

STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500

CITY: Washington, D.C.

COUNTRY: USA

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/
/
/ ZIP: 20006-1812
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/097,938
/ FILING DATE: 26-JUL-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MURASHIGE, KATE H.
/ REGISTRATION NUMBER: 29,959
/ REFERENCE/DOCKET NUMBER: 22803-20006.00
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 887-1500
/ TELEFAX: (202) 887-0763
/ TELEX: 90-4030
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1255 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 56..1249
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 56
/ US-08-097-938-3
/
/ Alignment Scores:
/ Pred. No.: 29.3 Length: 1255
/ Score: 8.00 Matches: 8
/ Percent Similarity: 100.00% Conservative: 0
/ Best Local Similarity: 100.00% Mismatches: 0
/ Query Match: 8.25% Indels: 0
/ DB: 1 Gaps: 0
/
/ US-09-854-133-586 (1-97) x US-08-097-938-3 (1-1255)
/
/ Qy 11 LeuGlyAspSerGluThrLeuSer 18
/ Db 11 CTGGGTGACAGCAGACCCCTGCT 34
/
/ RESULT 36
/ US-08-476-000-3
/ Sequence 3, Application US/08476000
/ Patent No. 5716789
/ GENERAL INFORMATION:
/ APPLICANT: SUNDELIN, JOHAN
/ APPLICANT: SCARBOROUGH, ROBERT M.
/ TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
/ TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MORRISON & FOERSTER
/ STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20006-1812
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/476,000
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
```

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/
/
/ APPLICATION NUMBER: US 08/390,301
/ FILING DATE: 25-JAN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: ADLER, REID G.
/ REGISTRATION NUMBER: 30,988
/ REFERENCE/DOCKET NUMBER: 2803-0006.20
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 887-1500
/ TELEFAX: (202) 887-0763
/ TELEX: 90-4030
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1255 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 56..1249
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 56
/ US-08-476-000-3
/
/ Alignment Scores:
/ Pred. No.: 29.3 Length: 1255
/ Score: 8.00 Matches: 8
/ Percent Similarity: 100.00% Conservative: 0
/ Best Local Similarity: 100.00% Mismatches: 0
/ Query Match: 8.25% Indels: 0
/ DB: 1 Gaps: 0
/
/ US-09-854-133-586 (1-97) x US-08-476-000-3 (1-1255)
/
/ Qy 11 LeuGlyAspSerGluThrLeuSer 18
/ Db 11 CTGGGTGACAGCAGACCCCTGCT 34
/
/ RESULT 37
/ US-08-472-840-3
/ Sequence 3, Application US/08472840
/ Patent No. 5763575
/ GENERAL INFORMATION:
/ APPLICANT: SUNDELIN, JOHAN
/ APPLICANT: SCARBOROUGH, ROBERT M.
/ TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
/ TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MORRISON & FOERSTER
/ STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20006-1812
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/472,840
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/390,301
/ FILING DATE: 25-JAN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: ADLER, REID G.
/ REGISTRATION NUMBER: 30,988
/ REFERENCE/DOCKET NUMBER: 2803-0006.20
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 887-1500
```

TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 56..1249
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56
US-08-472-840-3

Alignment Scores: 29.3 Length: 1255
Pred. No.: 8.00 Matches: 8
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 8.25% Gaps: 0
DB: 1

US-09-854-133-586 (1-97) x US-08-472-840-3 (1-1255)

Qy 11 LeuGlyaspSerGluThrLeuSer 18
Db 11 CTGGTGACAGCGAGACCCCTGTCT 34

RESULT 38

US-08-476-976-3
Sequence 3, Application US/08476976
Patent No. 5874400
GENERAL INFORMATION:
APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,976
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/390,301
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803-0006.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

FEATURE:
NAME/KEY: CDS
LOCATION: 56..1249
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56
US-08-476-976-3
Alignment Scores: 29.3 Length: 1255
Pred. No.: 8.00 Matches: 8
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 8.25% Gaps: 0
DB: 2

US-09-854-133-586 (1-97) x US-08-476-976-3 (1-1255)

Qy 11 LeuGlyaspSerGluThrLeuSer 18
Db 11 CTGGTGACAGCGAGACCCCTGTCT 34

RESULT 39

US-08-474-410-3
Sequence 3, Application US/08474410
Patent No. 6043212
GENERAL INFORMATION:
APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,410
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/390,301
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803-0006.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 56..1249
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56
US-08-474-410-3

Alignment Scores:
 Pred. No.: 29.3 Length: 1255
 Score: 8.00 Matches: 8
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 8.25% Indels: 0
 DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-08-474-410-3 (1-1255)

Qy 11 LeuGlyAspSerGluThrLeuSer 18
 Db 11 CTGGGTGACGACGAGACCCGTGCT 34

RESULT 40

US-08-486-673B-3
 ; Sequence 3, Application US/08486673B
 ; Patent No. 6297026
 ; GENERAL INFORMATION:
 ; APPLICANT: Sundelin, Johan
 ; TITLE OF INVENTION: Nucleic Acids Encoding the C140 Receptor
 ; FILE REFERENCE: 4481-5086-08-US
 ; CURRENT APPLICATION NUMBER: US/08/486,673B
 ; CURRENT FILING DATE: 1995-06-07
 ; PRIOR APPLICATION NUMBER: US 08/097,938
 ; PRIOR FILING DATE: 1993-07-26
 ; PRIOR APPLICATION NUMBER: PCT/US94/08536
 ; PRIOR FILING DATE: 1994-07-26
 ; NUMBER OF SEQ ID NOS: 63
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 1255
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (56)..(1249)
 ; OTHER INFORMATION: C140 receptor, genomic DNA and deduced protein
 ; OTHER INFORMATION: sequences
 US-08-486-673B-3

Alignment Scores:
 Pred. No.: 29.3 Length: 1255
 Score: 8.00 Matches: 8
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 8.25% Indels: 0
 DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-08-486-673B-3 (1-1255)

Qy 11 LeuGlyAspSerGluThrLeuSer 18
 Db 11 CTGGGTGACGACGAGACCCGTGCT 34

Search completed: October 30, 2003, 16:01:01
 Job time : 131.673 secs

Sequence	2550, A	148	10	10.3	1432	12	US-10-142-422-255	Sequence	255, App
Sequence	129767,	149	10	10.3	1432	12	US-10-142-427-255	Sequence	255, App
Sequence	129768,	150	10	10.3	1432	12	US-10-142-760-255	Sequence	255, App
Sequence	25603, A	151	10	10.3	1432	12	US-10-145-821-255	Sequence	255, App
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Sequence	166872,	155	10	10.3	1432	12	US-10-142-761-255	Sequence	255, App
Sequence	158769,	156	10	10.3	1432	12	US-10-142-763-255	Sequence	255, App
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Sequence	29270, A	158	10	10.3	1432	12	US-10-142-887-255	Sequence	255, App
Sequence	29271, A	159	10	10.3	1432	12	US-10-142-888-255	Sequence	255, App
Sequence	29272, A	160	10	10.3	1432	12	US-10-143-034-255	Sequence	255, App
Sequence	101288,	161	10	10.3	1432	12	US-10-143-116-255	Sequence	255, App
Sequence	101289,	162	10	10.3	1432	12	US-10-143-117-255	Sequence	255, App
Sequence	100676,	163	10	10.3	1432	12	US-10-143-117-255	Sequence	255, App
Sequence	264581,	164	10	10.3	1432	12	US-10-144-957-255	Sequence	255, App
Sequence	264582,	165	10	10.3	1432	12	US-10-144-992-255	Sequence	255, App
Sequence	261158,	166	10	10.3	1432	12	US-10-145-015-255	Sequence	255, App
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Sequence	255, App	169	10	10.3	1432	12	US-10-145-630-255	Sequence	255, App
Sequence	255, App	170	10	10.3	1432	12	US-10-145-747-255	Sequence	255, App
Sequence	255, App	171	10	10.3	1432	12	US-10-145-752-255	Sequence	255, App
Sequence	255, App	172	10	10.3	1432	12	US-10-145-754-255	Sequence	255, App
Sequence	255, App	173	10	10.3	1432	12	US-10-145-755-255	Sequence	255, App
Sequence	255, App	174	10	10.3	1432	12	US-10-145-818-255	Sequence	255, App
Sequence	255, App	175	10	10.3	1432	12	US-10-145-820-255	Sequence	255, App
Sequence	255, App	176	10	10.3	1432	12	US-10-145-873-255	Sequence	255, App
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Sequence	255, App	178	10	10.3	1432	12	US-10-147-481-255	Sequence	255, App
Sequence	255, App	179	10	10.3	1432	12	US-10-147-482-255	Sequence	255, App
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Sequence	255, App	181	10	10.3	1432	12	US-10-147-523-255	Sequence	255, App
Sequence	255, App	182	10	10.3	1432	12	US-10-152-401-255	Sequence	255, App
Sequence	255, App	183	10	10.3	1432	12	US-10-157-783-255	Sequence	255, App
Sequence	255, App	184	10	10.3	1432	12	US-10-158-462-255	Sequence	255, App
Sequence	255, App	185	10	10.3	1432	12	US-10-158-792-255	Sequence	255, App
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221	10	10.3	1432	12	US-10-152-383-255	Sequence 255, App	294	10	10.3	1432	12	US-10-124-823-255	Sequence 255, App
222	10	10.3	1432	12	US-10-152-384-255	Sequence 255, App	295	10	10.3	1432	12	US-10-125-931-255	Sequence 255, App
223	10	10.3	1432	12	US-10-152-387-255	Sequence 255, App	296	10	10.3	1432	12	US-10-125-932-255	Sequence 255, App
224	10	10.3	1432	12	US-10-152-389-255	Sequence 255, App	297	10	10.3	1432	12	US-10-152-385-255	Sequence 255, App
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242	10	10.3	1432	12	US-10-147-486-255	Sequence 255, App	315	10	10.3	1432	14	US-10-140-474-255	Sequence 255, App
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244	10	10.3	1432	12	US-10-147-516-255	Sequence 255, App	317	10	10.3	1432	14	US-10-143-114-255	Sequence 255, App
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c 526	9	9.3	505	13	US-10-027-632-81648	Sequence 81648, A	599	9	9.3	1516	13	US-10-027-632-253288	Sequence 253288,
c 527	9	9.3	505	13	US-10-027-632-292802	Sequence 292802, A	600	9	9.3	1753	9	US-09-837-867A-6	Sequence 6, Appl
c 528	9	9.3	513	13	US-10-027-632-21960	Sequence 21960, A	601	9	9.3	1753	11	US-09-962-969-6	Sequence 6, Appl
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c 530	9	9.3	518	13	US-10-027-632-310410	Sequence 310410, A	603	9	9.3	2005	13	US-10-027-632-97840	Sequence 97840, A
c 531	9	9.3	530	13	US-10-027-632-90018	Sequence 90018, A	604	9	9.3	2005	13	US-10-027-632-99936	Sequence 99936, A
c 532	9	9.3	530	13	US-10-027-632-90019	Sequence 90019, A	605	9	9.3	2146	13	US-10-027-632-97126	Sequence 97126, A
c 533	9	9.3	532	13	US-10-027-632-95267	Sequence 95267, A	606	9	9.3	2146	13	US-10-027-632-97127	Sequence 97127, A
c 534	9	9.3	535	13	US-10-027-632-305745	Sequence 305745, A	607	9	9.3	2500	14	US-10-102-806-88	Sequence 88, Appl
c 535	9	9.3	535	13	US-10-027-632-4910	Sequence 4910, Ap	608	9	9.3	2561	13	US-10-027-632-265335	Sequence 265335,
c 536	9	9.3	546	13	US-10-027-632-180602	Sequence 180602, A	609	9	9.3	2561	13	US-10-027-632-265336	Sequence 265336,
c 537	9	9.3	546	13	US-10-027-632-208635	Sequence 208635, A	610	9	9.3	2561	13	US-10-027-632-265337	Sequence 265337,
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c 541	9	9.3	560	13	US-10-027-632-219963	Sequence 219963, A	614	9	9.3	2936	13	US-10-027-632-253867	Sequence 253867,
c 542	9	9.3	560	13	US-10-027-632-219964	Sequence 219964, A	615	9	9.3	2936	13	US-10-027-632-253868	Sequence 253868,
c 543	9	9.3	565	13	US-10-027-632-282996	Sequence 282996, A	616	9	9.3	2936	13	US-10-027-632-253869	Sequence 253869,
c 544	9	9.3	569	13	US-10-027-632-511174	Sequence 511174, A	617	9	9.3	4092	11	US-09-925-386-5	Sequence 5, Appl
c 545	9	9.3	572	13	US-10-027-632-182516	Sequence 182516, A	618	9	9.3	4092	12	US-10-431-846-5	Sequence 5, Appl
c 546	9	9.3	573	13	US-10-027-632-90785	Sequence 90785, A	619	9	9.3	5586	12	US-09-311-455-621	Sequence 621, App
c 547	9	9.3	587	13	US-10-027-632-131567	Sequence 131567, A	620	9	9.3	8941	10	US-09-954-531-1351	Sequence 1351, Ap
c 548	9	9.3	590	13	US-10-027-632-290655	Sequence 290655, A	621	9	9.3	10039	12	US-10-311-455-2016	Sequence 2016, Ap
c 549	9	9.3	590	13	US-10-027-632-290656	Sequence 290656, A	622	9	9.3	10369	12	US-10-311-455-366	Sequence 366, App
c 550	9	9.3	605	13	US-10-027-632-2103	Sequence 2103, Ap	623	9	9.3	11394	12	US-10-240-433-95	Sequence 95, Appl
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c 552	9	9.3	606	13	US-10-027-632-5635	Sequence 5635, Ap	625	9	9.3	13862	11	US-09-764-891-10204	Sequence 10204, A
c 553	9	9.3	606	13	US-10-027-632-5636	Sequence 5636, Ap	626	9	9.3	13862	14	US-10-205-428-1003	Sequence 1003, Ap
c 554	9	9.3	611	13	US-10-027-632-208723	Sequence 208723, A	627	9	9.3	14568	12	US-10-311-455-204	Sequence 204, App
c 555	9	9.3	611	13	US-10-027-632-208724	Sequence 208724, A	628	9	9.3	27893	12	US-10-017-161-757	Sequence 757, App
c 556	9	9.3	611	13	US-10-027-632-231472	Sequence 231472, A	629	9	9.3	32767	12	US-10-004-113-1	Sequence 1, Appl
c 557	9	9.3	612	13	US-10-027-632-113707	Sequence 113707, A	630	9	9.3	54945	11	US-09-967-669-10	Sequence 10, Appl
c 558	9	9.3	616	13	US-10-027-632-57656	Sequence 57656, A	631	9	9.3	55795	10	US-09-880-107-1543	Sequence 1543, Ap
c 559	9	9.3	616	13	US-10-027-632-57657	Sequence 57657, A	632	9	9.3	58837	10	US-09-982-091A-5	Sequence 5, Appl
c 560	9	9.3	616	13	US-10-027-632-57658	Sequence 57658, A	633	9	9.3	62944	10	US-09-954-456-2257	Sequence 2257, Ap
c 561	9	9.3	618	13	US-10-027-632-96765	Sequence 96765, A	634	9	9.3	74868	14	US-10-175-523-67	Sequence 67, Appl
c 562	9	9.3	618	13	US-10-027-632-243669	Sequence 243669, A	635	9	9.3	130427	14	US-10-175-523-87	Sequence 87, Appl
c 563	9	9.3	637	13	US-10-027-632-221415	Sequence 221415, A	636	9	9.3	152331	13	US-10-095-407-16	Sequence 16, Appl
c 564	9	9.3	637	13	US-10-027-632-221416	Sequence 221416, A	637	9	9.3	161280	14	US-10-144-649A-746	Sequence 746, App
c 565	9	9.3	648	13	US-10-027-632-112653	Sequence 112653, A	638	9	9.3	167343	10	US-09-962-436-281	Sequence 281, App
c 566	9	9.3	648	13	US-10-027-632-112654	Sequence 112654, A	639	9	9.3	167343	10	US-09-964-824A-273	Sequence 273, App
c 567	9	9.3	650	13	US-10-027-632-124138	Sequence 124138, A	640	9	9.3	170834	9	US-09-835-232-7	Sequence 7, Appl
c 568	9	9.3	650	13	US-10-027-632-232281	Sequence 232281, A	641	9	9.3	170834	12	US-10-308-485-7	Sequence 7, Appl
c 569	9	9.3	660	13	US-10-027-632-129483	Sequence 129483, A	642	9	9.3	174424	10	US-09-967-768A-314	Sequence 314, App
c 570	9	9.3	660	13	US-10-027-632-129484	Sequence 129484, A	643	9	9.3	174424	10	US-09-967-768A-314	Sequence 314, App
c 571	9	9.3	660	13	US-10-027-632-129487	Sequence 129487, A	644	9	9.3	174424	12	US-09-960-706-969	Sequence 969, App
c 572	9	9.3	660	13	US-10-027-632-249668	Sequence 249668, A	645	9	9.3	174424	12	US-09-960-706-969	Sequence 969, App
c 573	9	9.3	660	13	US-10-027-632-249669	Sequence 249669, A	646	9	9.3	180216	9	US-09-835-232-6	Sequence 6, Appl
c 574	9	9.3	690	13	US-10-027-632-23996	Sequence 23996, A	647	9	9.3	180216	12	US-10-308-485-6	Sequence 6, Appl
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c 576	9	9.3	721	13	US-10-027-632-162923	Sequence 162923, A	649	9	9.3	180557	13	US-10-003-806-6	Sequence 6, Appl
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c 583	9	9.3	783	13	US-10-027-632-155872	Sequence 155872, A	656	8	8.2	65	12	US-10-032-585-2440	Sequence 2440, Ap
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C 661	8	8.2	136	10	US-09-969-373-1455	Sequence 1455, Ap	C 734	8	8.2	456	13	US-10-027-632-135628	Sequence 135628, A
C 662	8	8.2	139	10	US-09-867-701-8907	Sequence 8907, Ap	C 735	8	8.2	456	13	US-10-027-632-135629	Sequence 135629, A
C 663	8	8.2	164	10	US-09-867-701-8916	Sequence 8916, Ap	C 736	8	8.2	456	13	US-10-027-632-282798	Sequence 282798, A
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C 665	8	8.2	173	10	US-09-867-701-9216	Sequence 9216, Ap	C 738	8	8.2	459	11	US-09-918-995-35718	Sequence 35718, A
C 666	8	8.2	174	12	US-09-910-183A-14	Sequence 14, Appl	C 739	8	8.2	462	13	US-10-027-632-184356	Sequence 184356, A
C 667	8	8.2	178	12	US-09-910-183A-15	Sequence 15, Appl	C 740	8	8.2	463	13	US-10-001-873-8	Sequence 8, Appl
C 668	8	8.2	182	12	US-09-910-183A-16	Sequence 16, Appl	C 741	8	8.2	473	11	US-09-918-995-2985	Sequence 2985, Ap
C 669	8	8.2	190	12	US-09-910-183A-17	Sequence 17, Appl	C 742	8	8.2	473	13	US-10-027-632-80842	Sequence 80842, A
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C 672	8	8.2	204	10	US-09-867-701-9561	Sequence 9561, Ap	C 745	8	8.2	481	13	US-10-027-632-301076	Sequence 301076, A
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C 674	8	8.2	244	10	US-09-867-701-8845	Sequence 8845, Ap	C 747	8	8.2	495	11	US-09-918-995-23201	Sequence 23201, A
C 675	8	8.2	246	10	US-09-867-701-8845	Sequence 8845, Ap	C 748	8	8.2	497	10	US-09-783-590-2467	Sequence 2467, Ap
C 676	8	8.2	246	10	US-09-867-701-8834	Sequence 8834, Ap	C 749	8	8.2	498	13	US-10-027-632-266459	Sequence 266459, A
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C 678	8	8.2	249	10	US-09-867-701-8668	Sequence 8668, Ap	C 751	8	8.2	499	13	US-10-027-632-195772	Sequence 195772, A
C 679	8	8.2	256	10	US-09-867-701-9347	Sequence 9347, Ap	C 752	8	8.2	499	13	US-10-027-632-266952	Sequence 266952, A
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C 681	8	8.2	260	10	US-09-902-941-1208	Sequence 1208, Ap	C 754	8	8.2	512	13	US-10-027-632-39159	Sequence 39159, A
C 682	8	8.2	260	10	US-09-849-626-1208	Sequence 1208, Ap	C 755	8	8.2	512	13	US-10-027-632-60867	Sequence 60867, A
C 683	8	8.2	260	10	US-10-113-872-1208	Sequence 1208, Ap	C 756	8	8.2	512	13	US-10-027-632-60868	Sequence 60868, A
C 684	8	8.2	260	14	US-10-017-754-1208	Sequence 1208, Ap	C 757	8	8.2	514	13	US-10-027-632-282799	Sequence 282799, A
C 685	8	8.2	277	10	US-09-867-701-8971	Sequence 8971, Ap	C 758	8	8.2	516	12	US-09-814-353-15476	Sequence 15476, A
C 686	8	8.2	286	10	US-09-867-701-8693	Sequence 8693, Ap	C 759	8	8.2	517	13	US-10-027-632-280515	Sequence 280515, A
C 687	8	8.2	292	10	US-09-867-701-9583	Sequence 9583, Ap	C 760	8	8.2	521	13	US-10-027-632-277526	Sequence 277526, A
C 688	8	8.2	298	10	US-09-867-701-8978	Sequence 8978, Ap	C 761	8	8.2	521	13	US-10-027-632-277526	Sequence 277526, A
C 689	8	8.2	299	10	US-09-867-701-9596	Sequence 9596, Ap	C 762	8	8.2	526	12	US-10-027-632-282800	Sequence 282800, A
C 690	8	8.2	307	10	US-09-867-701-9416	Sequence 9416, Ap	C 763	8	8.2	528	13	US-10-027-632-282800	Sequence 282800, A
C 691	8	8.2	335	14	US-10-060-036-1974	Sequence 1974, Ap	C 764	8	8.2	530	13	US-10-027-632-282800	Sequence 282800, A
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C 693	8	8.2	363	11	US-09-803-719-1966	Sequence 1967, Ap	C 766	8	8.2	541	13	US-10-027-632-92856	Sequence 92856, A
C 694	8	8.2	368	11	US-09-918-995-18580	Sequence 18580, Ap	C 767	8	8.2	541	13	US-10-027-632-318066	Sequence 318066, A
C 695	8	8.2	368	13	US-10-040-739-1102	Sequence 1102, Ap	C 768	8	8.2	544	13	US-10-027-632-151654	Sequence 151654, A
C 696	8	8.2	373	13	US-10-027-632-791339	Sequence 791339, A	C 769	8	8.2	544	13	US-10-027-632-191655	Sequence 191655, A
C 697	8	8.2	373	13	US-10-027-632-314691	Sequence 314691, A	C 770	8	8.2	548	13	US-10-027-632-43401	Sequence 43401, A
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C 699	8	8.2	374	10	US-09-867-701-8923	Sequence 8923, Ap	C 772	8	8.2	549	13	US-10-027-632-37032	Sequence 37032, A
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C 702	8	8.2	381	13	US-10-027-632-284317	Sequence 284317, A	C 775	8	8.2	554	13	US-10-027-632-271962	Sequence 271962, A
C 703	8	8.2	381	13	US-10-027-632-284318	Sequence 284318, A	C 776	8	8.2	554	13	US-10-027-632-254338	Sequence 254338, A
C 704	8	8.2	382	12	US-09-814-353-3996	Sequence 3996, Ap	C 777	8	8.2	556	13	US-10-027-632-105537	Sequence 105537, A
C 705	8	8.2	382	12	US-09-814-353-3996	Sequence 3996, Ap	C 778	8	8.2	559	13	US-10-027-632-105537	Sequence 105537, A
C 706	8	8.2	391	10	US-09-867-701-8176	Sequence 8176, Ap	C 779	8	8.2	559	13	US-10-027-632-211362	Sequence 211362, A
C 707	8	8.2	394	10	US-09-867-701-8931	Sequence 8931, Ap	C 780	8	8.2	559	13	US-10-027-632-211362	Sequence 211362, A
C 708	8	8.2	401	10	US-09-728-445-160	Sequence 160, Ap	C 781	8	8.2	560	13	US-10-027-632-211362	Sequence 211362, A
C 709	8	8.2	412	9	US-09-784-423-22	Sequence 22, Appl	C 782	8	8.2	560	13	US-10-027-632-159992	Sequence 159992, A
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C 712	8	8.2	433	11	US-09-918-995-1987	Sequence 1987, Ap	C 785	8	8.2	566	14	US-10-073-961-413	Sequence 413, App
C 713	8	8.2	433	11	US-10-027-632-60277	Sequence 60277, A	C 786	8	8.2	566	14	US-10-027-632-51351	Sequence 51351, A
C 714	8	8.2	435	13	US-10-027-632-309537	Sequence 309537, A	C 787	8	8.2	572	13	US-10-027-632-64685	Sequence 64685, A
C 715	8	8.2	435	13	US-10-027-632-75215	Sequence 75215, A	C 788	8	8.2	572	13	US-10-027-632-215791	Sequence 215791, A
C 716	8	8.2	436	13	US-10-027-632-75216	Sequence 75216, A	C 789	8	8.2	572	13	US-10-027-632-296539	Sequence 296539, A
C 717	8	8.2	436	13	US-10-027-632-75216	Sequence 75216, A	C 790	8	8.2	572	13	US-10-027-632-83575	Sequence 83575, A
C 718	8	8.2	436	13	US-10-027-632-313517	Sequence 313517, A	C 791	8	8.2	577	13	US-10-027-632-231482	Sequence 231482, A
C 719	8	8.2	436	13	US-10-027-632-313518	Sequence 313518, A	C 792	8	8.2	577	13	US-10-027-632-277528	Sequence 277528, A
C 720	8	8.2	436	14	US-10-060-036-2195	Sequence 2195, Ap	C 793	8	8.2	580	13	US-10-027-632-66886	Sequence 66886, A
C 721	8	8.2	439	13	US-10-027-632-68339	Sequence 68339, A	C 794	8	8.2	584	13	US-09-864-761-12310	Sequence 12310, A
C 722	8	8.2	439	13	US-10-027-632-68340	Sequence 68340, A	C 795	8	8.2	585	9	US-10-027-632-194465	Sequence 194465, A
C 723	8	8.2	439	13	US-10-027-632-295071	Sequence 295071, A	C 796	8	8.2	585	13	US-10-027-632-76711	Sequence 76711, A
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C 725	8	8.2	444	13	US-10-027-632-289248	Sequence 289248, A	C 798	8	8.2	587	13	US-10-027-632-76712	Sequence 76712, A
C 726	8	8.2	444	13	US-10-027-632-289249	Sequence 289249, A	C 799	8	8.2	587	13	US-10-027-632-82085	Sequence 82085, A
C 727	8	8.2	444	13	US-10-027-632-289249	Sequence 289249, A	C 800	8	8.2	587	13	US-10-027-632-313795	Sequence 313795, A
C 728	8	8.2	449	9	US-09-764-869-1597	Sequence 1597, Ap	C 801	8	8.2	587	13	US-10-027-632-69031	Sequence 69031, A
C 729	8	8.2	449	13	US-10-027-632-35426	Sequence 35426, A	C 802	8	8.2	592	13	US-10-027-632-247815	Sequence 247815, A
C 730	8	8.2	449	13	US-10-027-632-35426	Sequence 1697, Ap	C 803	8	8.2	593	13	US-10-027-632-205280	Sequence 205280, A
C 731	8	8.2	452	10	US-09-917-800A-333	Sequence 333, App	C 804	8	8.2	594	13	US-10-027-632-205280	Sequence 205280, A

805	8	8.2	594	13	US-10-027-632-284512	Sequence 284512,	878	8	8.2	676	12	US-09-814-353-21283	Sequence 21283, A
806	8	8.2	594	13	US-10-027-632-284513	Sequence 284513,	C 879	8	8.2	676	13	US-10-027-632-128546	Sequence 128546,
807	8	8.2	594	13	US-10-027-632-284514	Sequence 284514,	880	8	8.2	683	13	US-10-027-632-137448	Sequence 137448, A
808	8	8.2	595	13	US-10-027-632-136263	Sequence 136263,	881	8	8.2	684	13	US-10-027-632-21356	Sequence 21356, A
809	8	8.2	595	13	US-10-027-632-190368	Sequence 190368,	882	8	8.2	689	13	US-10-027-632-163667	Sequence 163667,
810	8	8.2	596	13	US-10-027-632-8805	Sequence 8805, Ap	C 883	8	8.2	694	13	US-10-027-632-129185	Sequence 129185,
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812	8	8.2	598	13	US-10-027-632-286940	Sequence 286940,	C 885	8	8.2	694	13	US-10-027-632-138980	Sequence 138980,
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814	8	8.2	600	13	US-10-027-632-47583	Sequence 47583, A	C 887	8	8.2	700	13	US-10-027-632-126335	Sequence 126335,
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816	8	8.2	606	13	US-10-027-632-248940	Sequence 248940,	C 889	8	8.2	708	13	US-10-027-632-256020	Sequence 256020,
817	8	8.2	611	13	US-10-027-632-7443	Sequence 7443, Ap	C 890	8	8.2	710	13	US-10-027-632-136691	Sequence 136691,
818	8	8.2	611	13	US-10-027-632-37591	Sequence 37591, Ap	C 891	8	8.2	710	13	US-10-027-632-156411	Sequence 156411,
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822	8	8.2	614	13	US-10-027-632-266526	Sequence 266526,	C 895	8	8.2	716	13	US-10-027-632-152087	Sequence 152087,
823	8	8.2	614	13	US-10-027-632-286527	Sequence 286527,	C 896	8	8.2	717	13	US-10-027-632-146345	Sequence 146345,
824	8	8.2	614	13	US-10-027-632-286528	Sequence 286528,	C 897	8	8.2	717	13	US-10-027-632-146346	Sequence 146346,
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826	8	8.2	615	13	US-10-027-632-252767	Sequence 252767,	C 899	8	8.2	722	13	US-10-027-632-139629	Sequence 139629,
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833	8	8.2	625	13	US-10-027-632-314534	Sequence 314534,	906	8	8.2	728	13	US-10-027-632-21127	Sequence 21127, A
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838	8	8.2	631	13	US-10-027-632-38671	Sequence 38671, A	911	8	8.2	746	13	US-10-027-632-144469	Sequence 144469,
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852	8	8.2	638	13	US-10-027-632-231377	Sequence 231377,	925	8	8.2	771	13	US-10-027-632-133833	Sequence 133833,
853	8	8.2	638	13	US-10-027-632-305565	Sequence 305565,	926	8	8.2	771	13	US-10-027-632-133834	Sequence 133834,
854	8	8.2	640	13	US-10-027-632-17812	Sequence 17812, A	C 927	8	8.2	776	13	US-10-027-632-163595	Sequence 163595,
855	8	8.2	640	13	US-10-027-632-182401	Sequence 182401,	928	8	8.2	776	13	US-10-027-632-170993	Sequence 170993,
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857	8	8.2	640	13	US-10-027-632-182403	Sequence 182403,	930	8	8.2	787	13	US-10-027-632-174395	Sequence 174395,
858	8	8.2	640	13	US-10-027-632-182404	Sequence 182404,	931	8	8.2	787	13	US-10-027-632-174396	Sequence 174396,
859	8	8.2	641	13	US-10-027-632-132230	Sequence 132230,	932	8	8.2	787	13	US-10-027-632-325093	Sequence 325093,
860	8	8.2	647	13	US-10-027-632-281951	Sequence 281951,	C 933	8	8.2	789	13	US-10-027-632-10819	Sequence 10819, A
861	8	8.2	648	13	US-10-027-632-18469	Sequence 18469, A	C 934	8	8.2	797	13	US-10-027-632-4070	Sequence 4070, Ap
862	8	8.2	648	13	US-10-027-632-99826	Sequence 99826, A	935	8	8.2	797	13	US-10-027-632-167583	Sequence 167583,
863	8	8.2	649	13	US-10-027-632-133525	Sequence 133525,	936	8	8.2	797	13	US-10-027-632-167584	Sequence 167584,
864	8	8.2	649	13	US-10-027-632-133526	Sequence 133526,	937	8	8.2	797	13	US-10-027-632-167585	Sequence 167585,
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874	8	8.2	666	13	US-10-027-632-276665	Sequence 276665,	947	8	8.2	829	13	US-10-027-632-147652	Sequence 147652,
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876	8	8.2	672	13	US-10-027-632-137449	Sequence 137449,	C 949	8	8.2	832	13	US-10-027-632-170047	Sequence 170047,
877	8	8.2	672	13	US-10-027-632-137450	Sequence 137450,	C 950	8	8.2	832	13	US-10-027-632-170048	Sequence 170048,


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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-740

Alignment Scores:
Pred. No.: 2.24e-92 Length: 6080
Score: 97.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-740 (1-6080)

QY 1 GluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 94 GAGTTGAAGTGACAGAGATCATGCCAGCTGGTGACAGTGAGACTCTGTCTCAACA 153
QY 21 GluLeuArgLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 40
Db 154 GAATTAAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 213
QY 41 ILeasPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHistrpIleGln 60
Db 214 ATAGATTATCATATTCTCGATTCTTTTGGATTCTTTTGGATTCTTTTGGATTCT 273
QY 61 GluSerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 274 GAAGGCTGTGTGTCCACCATCTCCAAAGAGAGTTACCTGCAGGGAATGTTAAAGG 333
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgLysCysSer 97
Db 334 GCCTGCTTCCCTGGGCAACAAGAGAGCCACCTGGGCAAGAGAAAGTGCGAGC 384

RESULT 6
US-09-738-973-441
; Sequence 441, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-441

Alignment Scores:
Pred. No.: 2.52e-91 Length: 5981
Score: 96.00 Matches: 96
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.97% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-738-973-441 (1-5981)

QY 1 GluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThrGlu 21
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QY 22 LeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 41
Db 63 TTAAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 122
QY 42 AspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHistrpIleGlnGlu 61
Db 123 GATTTATCATATTCTGGATTCTTTTGGATTCTTTTGGATTCTTTTGGATTCTGGA 182
QY 62 SerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGlyGly 81
Db 183 AGCGTTGTGTCCACCATCTCCAAAGAGAGTTACCTGCAGGGAATGTTAAAGGAGGC 242
QY 82 CysLeuProTrpAlaThrArgSerHisLeuGlyArgLysCysSer 97
Db 243 TGCCTTCCCTGGGCAACAAGAGAGCCACCTGGGCAAGAGAAAGTGCGAGC 290

RESULT 7
US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-441

Alignment Scores:
Pred. No.: 2.52e-91 Length: 5981
Score: 96.00 Matches: 96
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.97% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-854-133-441 (1-5981)

QY 2 ValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThrGlu 21
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QY 22 LeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 41
Db 63 TTAAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 122
QY 42 AspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHistrpIleGlnGlu 61
Db 123 GATTTATCATATTCTGGATTCTTTTGGATTCTTTTGGATTCTTTTGGATTCTGGA 182
QY 62 SerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGlyGly 81
Db 183 AGCGTTGTGTCCACCATCTCCAAAGAGAGTTACCTGCAGGGAATGTTAAAGGAGGC 242
QY 82 CysLeuProTrpAlaThrArgSerHisLeuGlyArgLysCysSer 97
Db 243 TGCCTTCCCTGGGCAACAAGAGAGCCACCTGGGCAAGAGAAAGTGCGAGC 290
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; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:
Pred. No.: 1-53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-738-973-440 (1-2239)
QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGTTTGAAGTGCAGCAGATCATGCCAGCCTGGTGACAGTGCAGACTCTGTCTCAACA 61
QY 21 GluLeuArgLysGluArgLysLysLysLysLysLysLysLysLysLysLysLysLys 40
Db 62 GAATTAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAG 121
QY 41 IleAspPheIlePheTrpIlePheTrpIlePheTrpIleLeuLeuPheSerHisHis 60
Db 122 ATAGATTTCATATATCTGGATTTTGTGATTTTGTGATTTTGTGATTTTGTGATTT 181
QY 61 GluSerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThr 80
Db 182 GAAAGCGCTGTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGG 241
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCTTCCCTGGGCAACAGAGGCCACCTGGGCGAGG 280

RESULT 10
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:
Pred. No.: 1-53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-854-133-440 (1-2239)
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-441

Alignment Scores:
Pred. No.: 2-52e-91 Length: 5981
Score: 96.00 Matches: 96
Percent Similarity: 100.00% Conservatives: 0
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Query Match: 98.97% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-441 (1-5981)
QY 2 ValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThrGlu 21
Db 3 GTTGAAGTGCAGCAGATCATGCCAGCCTGGTGACAGTGCAGACTCTGTCTCAACAAGAA 62
QY 22 LeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLysLys 41
Db 63 TTAAGGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAA 122
QY 42 AspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGlnGlu 61
Db 123 GATTTCATATATCTGGATTTTGTGATTTTGTGATTTTGTGATTTTGTGATTTTGTGAT 182
QY 62 SerLeuLeuCysProSerProSerProLysGluValThrCysArgGluMetLeuThrGly 81
Db 183 AGCTGTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGAGGC 242
QY 82 CysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 243 TGCCTTCCTGGCAACAAGAGGACCTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 290

RESULT 9
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
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```
QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGGAGACTCTGTCTCAACA 61
QY 21 GluLeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 40
Db 62 GAATTAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 121
QY 41 IleAspPheIlePheTrpPheTrpPheTrpPheTrpPheTrpPheTrpPheTrp 60
Db 122 ATAGATTTTATCATATCTGGATTTTGGATCTTTGTTCTTCTCATCTGATTCAG 181
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCGCTGTGTGTCACCATCTCCAAAGAGAGTTACCTGCAGGGAATGTTAACGGGA 241
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCTTCCCTGGGCAACAAGAGGACCATCTGGGCAGG 280

RESULT 11
US-10-144-649A-440
; Sequence 440, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144, 649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-440

Alignment Scores:
Pred. No.: 1,53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-440 (1-2239)
QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGGAGACTCTGTCTCAACA 61
QY 21 GluLeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 40
Db 62 GAATTAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 121
QY 41 IleAspPheIlePheTrpPheTrpPheTrpPheTrpPheTrpPheTrpPheTrp 60
Db 122 ATAGATTTTATCATATCTGGATTTTGGATCTTTGTTCTTCTCATCTGATTCAG 181
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCGCTGTGTGTCACCATCTCCAAAGAGAGTTACCTGCAGGGAATGTTAACGGGA 241
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCTTCCCTGGGCAACAAGAGGACCATCTGGGCAGG 280

RESULT 12
US-10-144-649A-747
; Sequence 747, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144, 649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 747
; LENGTH: 17672
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-747

Alignment Scores:
Pred. No.: 7,18e-53 Length: 17672
Score: 60.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.86% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-747 (1-17672)
QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 7246 GAGGTTGAAGTGAGCAGAGATCATGCCAGCTGGTGACAGTGGAGACTCTGTCTCAACA 7305
QY 21 GluLeuArgLysLysGluArgLysLysLysLysLysLysLysLysLysLysLysLys 40
Db 7306 GAATTAGGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 7365
QY 41 IleAspPheIlePheTrpPheTrpPheTrpPheTrpPheTrpPheTrpPheTrp 60
Db 7366 ATAGATTTTATCATATCTGGATTTTGGATCTTTGTTCTTCTCATCTGATTCAG 7425

RESULT 13
US-10-144-649A-746/c
; Sequence 746, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144, 649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 746
; LENGTH: 161280
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-746

Alignment Scores:
Pred. No.: 5,31e-52 Length: 161280
Score: 60.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
```


Best Local Similarity: 100.00% Mismatches: 0
Query Match: 61.86% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-746 (1-161280)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
DB 27755 GAGTTCAGTGTGACAGATCATGCCAGCTGGTGACAGTGTCTCTCAACA 27696
QY 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
DB 27695 GAATTAGGAAAAAGAAAGAAAGAAAGAGAGAGAGAAATCCAGGCCAATTGTGGC 27636
QY 41 IleAspPheIlellePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
DB 27635 ATAGATTTCATCATCTCGATTCTTTGGATTCTTTTGTTCATCATCTGGAATCAG 27576

RESULT 14

US-10-029-386-23044/c
; Sequence 23044, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR Q
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23044
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR4.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: EST HUMAN HIT: BG284503.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9UPY5, EVALUE 2.00e-39
; OTHER INFORMATION: NT HIT: AB042201.1, EVALUE 0.00e+00
US-10-029-386-23044

Alignment Scores:
Pred. No.: 3,41e-30 Length: 286
Score: 37.00 Matches: 37
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 38.14% Mismatches: 0
DB: 12 Indels: 0
Gaps: 0

US-09-854-133-586 (1-97) x US-10-029-386-23044 (1-286)

QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
DB 279 GAAGGCTGTGTGTCCACCATCTCCAAAGAGAGTTACCTGCAGGAAATGTTACGGGA 220
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
DB 219 GGCTGCTTCCTGGGCAACAGAGCCACCTGGCGAGGAGAAAGTGCAGC 169

RESULT 15

US-10-029-386-9344/c
; Sequence 9344, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9344
; LENGTH: 501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR4.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: NT HIT: AB042201.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9UPY5, EVALUE 2.00e-39
; OTHER INFORMATION: EST_HUMAN HIT: BG284503.1, EVALUE 0.00e+00
US-10-029-386-9344

Alignment Scores:
Pred. No.: 5,67e-30 Length: 501
Score: 37.00 Matches: 37
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 38.14% Mismatches: 0
DB: 12 Indels: 0
Gaps: 0

US-09-854-133-586 (1-97) x US-10-029-386-9344 (1-501)

QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
DB 466 GAAGGCTGTGTGTCCACCATCTCCAAAGAGAGTTACCTGCAGGAAATGTTACGGGA 407
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
DB 406 GGCTGCTTCCTGGGCAACAGAGCCACCTGGCGAGGAGAAAGTGCAGC 356

RESULT 16

US-10-163-866-32
; Sequence 32, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:

; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT APPLICATION NUMBER: US/10/163,866
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-32

```
Alignment Scores:
Pred. No.: 5,86e-30 Length: 520
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-163-866-32 (1-520)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 8 GAAAGCCTGTGTGTCACCATCTCCAAAGAGGTTACCTGCAGGGAATGTTAACGGGA 67
QY 81 GlyCysLeuProTtpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 68 GGCTGCCTTCCCTGGGCAACAGGAGCCACTGGGCGAGGAGAAAGTGCAGC 118

RESULT 17
US-09-878-178-1307
; Sequence 1307, Application US/09878178
; Patent No. US20020177552A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-527
; CURRENT APPLICATION NUMBER: US/09/878,178
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 2237
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1307
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(572)
; OTHER INFORMATION: n = A,T,C or G
US-09-878-178-1307

Alignment Scores:
Pred. No.: 6,39e-30 Length: 572
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-878-178-1307 (1-572)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 256 GAAAGCCTGTGTGTCACCATCTCCAAAGAGGTTACCTGCAGGGAATGTTAACGGGA 315
QY 81 GlyCysLeuProTtpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 316 GGCTGCCTTCCCTGGGCAACAGGAGCCACTGGGCGAGGAGAAAGTGCAGC 366

RESULT 18
US-10-046-935-1307
; Sequence 1307, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-527C2
; CURRENT APPLICATION NUMBER: US/10/146,502
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1307
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 19, 461, 497, 500, 502
; OTHER INFORMATION: n = A,T,C or G
US-10-146-502-1307

Alignment Scores:
Pred. No.: 6,39e-30 Length: 572
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-146-502-1307 (1-572)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 256 GAAAGCCTGTGTGTCACCATCTCCAAAGAGGTTACCTGCAGGGAATGTTAACGGGA 315

; FILE REFERENCE: 210121-527C1
; CURRENT APPLICATION NUMBER: US/10/046,935
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1307
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 19, 461, 497, 500, 502
; OTHER INFORMATION: n = A,T,C or G
US-10-046-935-1307

Alignment Scores:
Pred. No.: 6,39e-30 Length: 572
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-046-935-1307 (1-572)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 256 GAAAGCCTGTGTGTCACCATCTCCAAAGAGGTTACCTGCAGGGAATGTTAACGGGA 315
QY 81 GlyCysLeuProTtpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 316 GGCTGCCTTCCCTGGGCAACAGGAGCCACTGGGCGAGGAGAAAGTGCAGC 366

RESULT 19
US-10-146-502-1307
; Sequence 1307, Application US/10146502
; Publication No. US20030069180A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-527C2
; CURRENT APPLICATION NUMBER: US/10/146,502
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1307
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 9, 19, 461, 497, 500, 502
; OTHER INFORMATION: n = A,T,C or G
US-10-146-502-1307

Alignment Scores:
Pred. No.: 6,39e-30 Length: 572
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-146-502-1307 (1-572)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 256 GAAAGCCTGTGTGTCACCATCTCCAAAGAGGTTACCTGCAGGGAATGTTAACGGGA 315
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; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US/10/163,866
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 33
; LENGTH: 1542
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-163-866-33

Alignment Scores:
Pred. No.: 1.57e-29 Length: 1542
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-163-866-33 (1-1542)
QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 16 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 75
QY 81 GlyCysLeuProTrrpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 76 GGCTGCCTTCCTGGGCAACAAGAGCCACCTGGGCAAGAAAGTGCAGC 126

RESULT 24
US-10-163-866-30
; Sequence 30, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US/10/163,866
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 30
; LENGTH: 1861
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-163-866-30

Alignment Scores:
Pred. No.: 1.86e-29 Length: 1861
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-163-866-30 (1-1861)
QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 143 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 202
QY 81 GlyCysLeuProTrrpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 203 GGCTGCCTTCCTGGGCAACAAGAGCCACCTGGGCAAGAAAGTGCAGC 253

RESULT 25
US-10-163-866-34
; Sequence 34, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US/10/163,866
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 34
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-163-866-34

Alignment Scores:
Pred. No.: 1.98e-29 Length: 2000
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-163-866-34 (1-2000)
QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 143 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 202
QY 81 GlyCysLeuProTrrpAlaThrArgSerHisLeuGlyArgGlyCysSer 97
Db 203 GGCTGCCTTCCTGGGCAACAAGAGCCACCTGGGCAAGAAAGTGCAGC 253

RESULT 26
US-10-163-866-29
; Sequence 29, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US/10/163,866
; PRIOR FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
```


LENGTH: 2041
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030194721A1 406992.1
FEATURE:
NAME/KEY: unsure
LOCATION: 1923, 1998, 2026
OTHER INFORMATION: a, t, c, g, or other
US-10-247-671-78

Alignment Scores:
Pred. No.: 1.09e-15 Length: 2041
Score: 24.00 Matches: 37
Percent Similarity: 97.37% Conservative: 0
Best Local Similarity: 97.37% Mismatches: 0
Query Match: 24.74% Indels: 1
DB: 12 Gaps: 0

US-09-854-133-586 (1-97) x US-10-247-671-78 (1-2041)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeu-ThrG1 80
Db 248 GAAAGCCTGTGTGTCCACCATCTCCAAAGAGGTTACCTGCAGGGAAATGTTAAACGGG 307
QY 80 YGlyCysLeuProTrrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 308 AGGCTGCTTCCCTGGGCAACAGGAGCCACCTGGGCGAGAGAGTGCGAGC 359

RESULT 30

US-10-027-632-169649/c
Sequence 169649, Application US/10027632
GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

FILE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 169649

LENGTH: 700

TYPE: DNA

ORGANISM: Human

US-10-027-632-169649

Alignment Scores:

Pred. No.: 0.00197 Length: 700
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-169649 (1-700)

QY 23 ArgGlyLysGluArgLysLysArgGluArgLys 34

Db 514 AGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 479

RESULT 31

US-10-027-632-11778/c

Sequence 11778, Application US/10027632

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

FILE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 11778

LENGTH: 718

TYPE: DNA

ORGANISM: Human

US-10-027-632-11778

Alignment Scores:

Pred. No.: 0.00202 Length: 718
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-11778 (1-718)

QY 8 HisAlaSerLeuGlyAspSerGluThrLeuSerGln 19

Db 276 CATGCCAGCTGGGGACAGTGCAGCCCTGTCTCAA 241

RESULT 32

US-10-027-632-11779/c

Sequence 11779, Application US/10027632

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

FILE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

```
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11779
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-11779

Alignment Scores:
Pred. No.: 0.00202 Length: 718
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-11779 (1-718)
QY 8 HislaSerLeuGlyAspSerGluThrLeuSerGln 19
Db 276 CATGCCAGCTGGGGGACAGTGAGACCCCTGTCTCAA 241

RESULT 33
US-10-027-632-169650
; Sequence 169650, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 169650
; LENGTH: 810
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-169650

Alignment Scores:
Pred. No.: 0.00225 Length: 810
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-169650 (1-810)
QY 23 ArgLysLysGluArgLysLysArgGluArgLys 34
Db 613 AGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 648

RESULT 34
US-09-764-877-3626
; Sequence 3626, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3626
; LENGTH: 29607
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3626

Alignment Scores:
Pred. No.: 0.0583 Length: 29607
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-764-877-3626 (1-29607)
QY 8 HislaSerLeuGlyAspSerGluThrLeuSerGln 19
Db 24558 CAGCTAGCTGGGTGACAGTGGAGCCCTGTCTCAA 24593

RESULT 35
US-10-027-632-264548
; Sequence 264548, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 264548
; LENGTH: 285
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-264548

Alignment Scores:
Pred. No.: 0.00995 Length: 285
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-264548 (1-285)
QY 23 ArgLysLysGluArgLysLysArgGluArg 33
Db 48 AGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 80
```

```

; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-205214

Alignment Scores:
Pred. No.:          0.0196          Length:          602
Score:              11.00          Matches:          11
Percent Similarity: 100.00%          Conservative:      0
Best Local Similarity: 100.00%          Mismatches:       0
Query Match:        11.34%          Indels:           0
DB:                 13              Gaps:              0

US-09-854-133-586 (1-97) x US-10-027-632-205214 (1-602)

QY      24  LysLysGluArgLysLysLysLysArgGluArgLys 34
Db       426  AAGAAGAAGAGAAAAAAGAAAAAGAGAAAGAAA 394

RESULT 39
US-10-027-632-215480
; Sequence 215480, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215480
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215480

Alignment Scores:
Pred. No.:          0.0199          Length:          612
Score:              11.00          Matches:          11
Percent Similarity: 100.00%          Conservative:      0
Best Local Similarity: 100.00%          Mismatches:       0
Query Match:        11.34%          Indels:           0
DB:                 13              Gaps:              0

US-09-854-133-586 (1-97) x US-10-027-632-215480 (1-612)

QY      10  SerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db      158  AGCCTGGGTGATAGTGAGACTTTGTCTCAAACT 190

RESULT 39
US-10-027-632-97902/c
; Sequence 97902, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

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; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97902
; LENGTH: 2200
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-97902

```

```

Alignment Scores:
Pred. No.: 0.0632 Length: 2200
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-97902 (1-2200)

Qy 8 HisAlaSerLeuGlyAspSerGluThrLeuSer 18
Db 1401 CACGCCAGCCTGGGTGACAGCGAGACTCTCTCT 1369

```

```

RESULT 40
US-10-027-632-111479/c
; Sequence 111479, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111479
; LENGTH: 2200
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111479
Alignment Scores:

```

```

Pred. No.: 0.0632 Length: 2200
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-111479 (1-2200)

Qy 8 HisAlaSerLeuGlyAspSerGluThrLeuSer 18
Db 1401 CACGCCAGCCTGGGTGACAGCGAGACTCTCTCT 1369

```

Search completed: October 30, 2003, 17:22:02
Job time : 305.655 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 16:53:34 ; Search time 4.10619 Seconds
(without alignments)
164.866 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 FQNGCIDFIIFWIFW 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PTCUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	46	46.9	123	1	US-08-478-039-82
2	46	45.9	123	1	US-08-476-349A-82
3	45	45.9	298	1	US-08-118-270-76
4	45	45.9	298	5	PCT-US93-08528-76
5	43	43.9	221	4	US-09-599-360B-104
6	43	43.9	282	4	US-09-107-532A-4329
7	42	42.9	125	2	US-08-665-202-45
8	42	42.9	125	2	US-08-665-202-46
9	42	42.9	125	2	US-08-665-202-49
10	42	42.9	125	2	US-08-665-202-51
11	42	42.9	125	4	US-09-315-574-45
12	42	42.9	125	4	US-09-315-574-46
13	42	42.9	125	4	US-09-315-574-49
14	42	42.9	125	4	US-09-315-574-51
15	42	42.9	342	2	US-08-483-151-2
16	42	42.9	518	4	US-09-134-001C-4069
17	41	41.8	119	2	US-08-318-157B-2
18	41	41.8	119	2	US-08-318-157B-12
19	41	41.8	119	2	US-08-318-157B-17
20	41	41.8	125	2	US-08-665-202-48
21	41	41.8	125	2	US-08-665-202-50
22	41	41.8	125	2	US-08-665-202-52
23	41	41.8	125	2	US-08-665-202-53
24	41	41.8	125	2	US-08-665-202-54
25	41	41.8	125	2	US-08-665-202-55
26	41	41.8	125	2	US-08-665-202-57
27	41	41.8	125	4	US-09-315-574-48

28	41	41.8	125	4	US-09-315-574-50
29	41	41.8	125	4	US-09-315-574-52
30	41	41.8	125	4	US-09-315-574-53
31	41	41.8	125	4	US-09-315-574-54
32	41	41.8	125	4	US-09-315-574-55
33	41	41.8	125	4	US-09-315-574-57
34	41	41.8	139	3	US-09-136-315-2
35	41	41.8	139	3	US-09-136-315-6
36	40	40.8	119	2	US-08-318-157B-8
37	40	40.8	119	2	US-08-318-157B-9
38	40	40.8	119	2	US-08-318-157B-10
39	40	40.8	119	2	US-08-318-157B-11
40	40	40.8	119	2	US-08-318-157B-13
41	40	40.8	119	2	US-08-318-157B-14
42	40	40.8	119	2	US-08-318-157B-15
43	40	40.8	203	3	US-09-124-141-13
44	40	40.8	203	3	US-09-124-141-21
45	40	40.8	593	3	US-09-124-141-7

ALIGNMENTS

RESULT 1
US-08-478-039-82
; Sequence 82, Application US/08478039
; Patent No. 5681722
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,039
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-160
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 82:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 123 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant

;; TOPOLOGY: not relevant
;; MOLECULE TYPE: peptide
;; ORIGINAL SOURCE:
;; ORGANISM: Monkey
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT: VH5 clone 5-11
US-08-476-039-82

Query Match 46.9%; Score 46; DB 1; Length 123;
Best Local Similarity 58.3%; Pred. No. 4.9;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 CGIDFIIIFWIFW 16
Db 25 CGFSFTGFWSW 36

RESULT 2
US-08-476-349A-82
; Sequence 82, Application US/08476349A
; Patent No. 5750105
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DONNE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 07-JUN-1995

APPLICATION NUMBER: US/08/476,349A

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/379,072

FILING DATE: 25-JAN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/912,292

FILING DATE: 10-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/856,281

FILING DATE: 23-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/735,064

FILING DATE: 25-JUL-1991

ATTORNEY/AGENT INFORMATION:

NAME: Teskin Esq., Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-161

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 82:

SEQUENCE CHARACTERISTICS:

LENGTH: 123 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: not relevant

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: VH5 clone 5-11

US-08-476-349A-82

Query Match 46.9%; Score 46; DB 1; Length 123;
Best Local Similarity 58.3%; Pred. No. 4.9;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 CGIDFIIIFWIFW 16
Db 25 CGFSFTGFWSW 36

RESULT 3
US-08-118-270-76
; Sequence 76, Application US/08118270
; Patent No. 5508384
; GENERAL INFORMATION:
; APPLICANT: Murphy, Randall B.
; APPLICANT: Schuster, David I.
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 09-SEP-1993

APPLICATION NUMBER: US/08/118,270

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/943,236

FILING DATE: 10-SEP-1992

ATTORNEY/AGENT INFORMATION:

NAME: Townsend, Kevin G.

REGISTRATION NUMBER: 34,033

REFERENCE/DOCKET NUMBER: MURPHY-2A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

TELEX: 248633

INFORMATION FOR SEQ ID NO: 76:

SEQUENCE CHARACTERISTICS:

LENGTH: 298 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-118-270-76

Query Match 45.9%; Score 45; DB 1; Length 298;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 GIDFIIIFWIF 15
Db 211 GIDWFLFWVF 220

RESULT 4
PCT-US93-08528-76
; Sequence 76, Application PC/TUS9308528
; GENERAL INFORMATION:
; APPLICANT: New York University
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BROWDY AND NEIMARK
;; STREET: 419 Seventh Street, N.W., Suite 300
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: USA
;; ZIP: 20004
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/08528
;; FILING DATE: 09-SEP-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/943,236
;; FILING DATE: 10-SEP-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Townsend, Kevin G.
;; REGISTRATION NUMBER: 34,033
;; REFERENCE/DOCKET NUMBER: MURPHY-2 PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-628-5197
;; TELEFAX: 202-737-3528
;; TELEX: 248633
;; INFORMATION FOR SEQ ID NO: 76:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 298 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
PCT-US93-08528-76

Query Match 45.9%; Score 45; DB 5; Length 298;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 211 GIDWELFWVF 220

RESULT 5
US-09-599-360B-104
; Sequence 104, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 104
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -28...-1
US-09-599-360B-104

Query Match 43.9%; Score 43; DB 4; Length 221;
Best Local Similarity 75.0%; Pred. No. 26;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 9 FIIFWIFW 16
|||: |||:
Db 199 FIIFWLFW 206

RESULT 6
US-09-107-532A-4329
; Sequence 4329, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Denise
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4329:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...282
; SEQUENCE DESCRIPTION: SEQ ID NO: 4329:
US-09-107-532A-4329

Query Match 43.9%; Score 43; DB 4; Length 282;
Best Local Similarity 37.5%; Pred. No. 33;
Matches 6; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 1 FOANCGIDFIIFWIFW 16
|||: |||:
Db 178 FNPAFSLDFLDWLFW 193

RESULT 7
US-08-665-202-45
; Sequence 45, Application US/08665202
; Patent No. 5977322

```

; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-45

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36

RESULT 8
US-08-665-202-46
; Sequence 46, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-45

```

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-46

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36

RESULT 9
US-08-665-202-49
; Sequence 49, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-49

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GYDFTYWIW 36

RESULT 10
US-08-665-202-51
Sequence 51, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
TITLE OF INVENTION: Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,250
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-51

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GYDFTYWIW 36

RESULT 11
US-09-315-574-45
Sequence 45, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
TITLE OF INVENTION: Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
STREET: Four Embarcadero Center, Suite 1100
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,574
FILING DATE: 20-MAY-99
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,250
FILING DATE: 15-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/665,202
FILING DATE: 13-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061411
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-315-574-45

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GYDFTYWIW 36

RESULT 12
US-09-315-574-46
Sequence 46, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

;; TITLE OF INVENTION: Tumor Antigens
;; NUMBER OF SEQUENCES: 141
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
;; STREET: Four Embarcadero Center, Suite 1100
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-4106
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/315,574
;; FILING DATE: 20-MAY-99
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 46:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 125 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-09-315-574-46

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIFWIFW 16
|||:|:
Db 26 GYDFTYWIW 36

RESULT 13
US-09-315-574-49
;; Sequence 49, Application US/09315574
;; Patent No. 6512097
;; GENERAL INFORMATION:
;; APPLICANT: Marks, James D.
;; APPLICANT: Schier, Robert
;; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
;; Tumor Antigens
;; NUMBER OF SEQUENCES: 141
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
;; STREET: Four Embarcadero Center, Suite 1100
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-4106
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/315,574
;; FILING DATE: 20-MAY-99
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 46:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 125 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide

;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/315,574
;; FILING DATE: 20-MAY-99
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 49:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 125 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-09-315-574-49

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIFWIFW 16
|||:|:
Db 26 GYDFTYWIW 36

RESULT 14
US-09-315-574-51
;; Sequence 51, Application US/09315574
;; Patent No. 6512097
;; GENERAL INFORMATION:
;; APPLICANT: Marks, James D.
;; APPLICANT: Schier, Robert
;; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
;; Tumor Antigens
;; NUMBER OF SEQUENCES: 141
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
;; STREET: Four Embarcadero Center, Suite 1100
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-4106
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/315,574
;; FILING DATE: 20-MAY-99
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 49:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 125 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide

```

; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-51

```

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels

QY	6	GIDFIFW	16
		:	
Db	26	GYDFTYIAW	36

```

RESULT 15
US-08-483-151-2
; Sequence 2, Application US/08483151
; Patent No. 5858752
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Holgersson, Jan
; TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,151
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/278001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 342 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-483-151-2

```

Query Match 42.9%; Score 42; DB 2; Length 342;
Best Local Similarity 45.5%; Pred. No. 57;
Matches 5; Conservative 2; Mismatches 4; Indels

Qy 6 GIDFIIFWIFW 16
| | : | |

D'b 21 GATFMVWFEW 31

```

RESULT 16
US-09-134-001C-4069
; Sequence 4069, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4069
; LENGTH: 518
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (6)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-134-001C-4069

```

Query Match 42.9%; Score 42; DB 4; Length 518;
Best Local Similarity 58.3%; Pred. No. 88;
Matches 7; Conservative 2; Mismatches 3; Indels

Qy 2 QANCGIDFIIFW 13
Db 175 RSNCGIGFKGEW 186

RESULT 17
US-08-318-157B-2
; Sequence 2, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-04-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28, 665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2

;
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-2

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 42.9%; Pred. No. 27;
Matches 6; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | | : : |
Db 23 AASGFDFTTYWMSW 36

RESULT 18

US-08-318-157B-12
; Sequence 12, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136

INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-12

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 35.7%; Pred. No. 27;
Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | | : : |
Db 23 SSSGFDFTTYWMSW 36

RESULT 19

US-08-318-157B-17
; Sequence 17, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:

;
;
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136

INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-17

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 35.7%; Pred. No. 27;
Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | | : : |
Db 23 SSSGFDFTTYWMSW 36

RESULT 20

US-08-665-202-48
; Sequence 48, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,250
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-48

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIPW 16
| | | | : | | |
Db 26 GYDFSTYWIAM 36

RESULT 21
US-08-665-202-50
Sequence 50, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,250
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-50

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
QY 6 GIDFIIFWIPW 16
| | | | : | | |
Db 26 GYDFSTYWIAM 36

RESULT 22
US-08-665-202-52
Sequence 52, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,250
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-52

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIPW 16
| | | | : | | |
Db 26 GYDFSTYWIAM 36

RESULT 23
US-08-665-202-53

```
/ Sequence 53, Application US/08665202
/ Patent No. 5977322
/ GENERAL INFORMATION:
/ APPLICANT: Marks, James D.
/ APPLICANT: Schier, Robert
/ TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
/ TITLE OF INVENTION: Tumor Antigens
/ NUMBER OF SEQUENCES: 141
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/665,202
/ FILING DATE: 13-JUN-1996
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,238
/ FILING DATE: 14-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,250
/ FILING DATE: 15-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hunter, Tom
/ REGISTRATION NUMBER: 38,498
/ REFERENCE/DOCKET NUMBER: 02307E-061410
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 53:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 125 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-665-202-53

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDPIIFWIFW 16
Db 26 GYDFSTYIAW 36

RESULT 24
US-08-665-202-54
/ Sequence 54, Application US/08665202
/ Patent No. 5977322
/ GENERAL INFORMATION:
/ APPLICANT: Marks, James D.
/ APPLICANT: Schier, Robert
/ TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
/ TITLE OF INVENTION: Tumor Antigens
/ NUMBER OF SEQUENCES: 141
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/665,202
/ FILING DATE: 13-JUN-1996
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,238
/ FILING DATE: 14-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,250
/ FILING DATE: 15-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hunter, Tom
/ REGISTRATION NUMBER: 38,498
/ REFERENCE/DOCKET NUMBER: 02307E-061410
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 53:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 125 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-665-202-54

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDPIIFWIFW 16
Db 26 GYDFSTYIAW 36

RESULT 25
US-08-665-202-55
/ Sequence 55, Application US/08665202
/ Patent No. 5977322
/ GENERAL INFORMATION:
/ APPLICANT: Marks, James D.
/ APPLICANT: Schier, Robert
/ TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
/ TITLE OF INVENTION: Tumor Antigens
/ NUMBER OF SEQUENCES: 141
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/665,202
/ FILING DATE: 13-JUN-1996
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,238
/ FILING DATE: 14-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,250
/ FILING DATE: 15-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hunter, Tom
/ REGISTRATION NUMBER: 38,498
/ REFERENCE/DOCKET NUMBER: 02307E-061410
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 54:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 125 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-665-202-54

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDPIIFWIFW 16
Db 26 GYDFSTYIAW 36
```

REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-55

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFSTYWIW 36

RESULT 26
US-08-665-202-57
Sequence 57, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
PRIOR APPLICATION DATA:
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-57

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;

Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFSTYWIW 36

RESULT 27
US-09-315-574-48
Sequence 48, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
STREET: Four Embarcadero Center, Suite 1100
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4106

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 20-MAY-99
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
FILING DATE: 14-JUN-1995
APPLICATION NUMBER: US 60/000,238
PRIOR APPLICATION DATA:
FILING DATE: 15-JUN-1995
APPLICATION NUMBER: US 60/000,250
FILING DATE: 13-JUN-1996
APPLICATION NUMBER: US 08/665,202
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061411
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-315-574-48

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFSTYWIW 36

RESULT 28
US-09-315-574-50
Sequence 50, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.

```

1  APPLICANT: Schier, Robert
2  TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
3  TITLE OF INVENTION: Tumor Antigens
4  NUMBER OF SEQUENCES: 141
5  CORRESPONDENCE ADDRESS:
6  ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
7  STREET: Four Embarcadero Center, Suite 1100
8  CITY: San Francisco
9  STATE: California
10 COUNTRY: USA
11 ZIP: 94111-4106
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: Floppy disk
14 COMPUTER: IBM PC compatible
15 OPERATING SYSTEM: PC-DOS/MS-DOS
16 SOFTWARE: PatentIn Release #1.0, Version #1.30
17 CURRENT APPLICATION DATA: US/09/315,574
18 APPLICATION NUMBER: US 60/000,238
19 FILING DATE: 14-JUN-1995
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER: US 60/000,250
22 FILING DATE: 15-JUN-1995
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: US 08/665,202
25 FILING DATE: 13-JUN-1996
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Hunter, Tom
28 REGISTRATION NUMBER: 38,498
29 REFERENCE/DOCKET NUMBER: 02307E-061411
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: (415) 576-0200
32 TELEFAX: (415) 576-0300
33 INFORMATION FOR SEQ ID NO: 50:
34 SEQUENCE CHARACTERISTICS:
35 LENGTH: 125 amino acids
36 TYPE: amino acid
37 STRANDEDNESS:
38 TOPOLOGY: linear
39 MOLECULE TYPE: peptide
40 US-09-315-574-50
41
42 Query Match 41.88; Score 41; DB 4; Length 125;
43 Best Local Similarity 54.58; Pred.No.29;
44 Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps
45
46 Qy 6 GIDFIIFWIFW 16
47 Db 26 GYDFSTYWIW 36
48
49 RESULT 29
50 US-09-315-574-52
51 Sequence 52, Application US/09315574
52 Patent No. 6512097
53 GENERAL INFORMATION:
54 APPLICANT: Marks, James D.
55 APPLICANT: Schier, Robert
56 TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
57 TITLE OF INVENTION: Tumor Antigens
58 NUMBER OF SEQUENCES: 141
59 CORRESPONDENCE ADDRESS:
60 ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
61 STREET: Four Embarcadero Center, Suite 1100
62 CITY: San Francisco
63 STATE: California
64 COUNTRY: USA
65 ZIP: 94111-4106
66 COMPUTER READABLE FORM:
67 MEDIUM TYPE: Floppy disk

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-53

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   |||:|
Db 26 GYDFSTYWIW 36

RESULT 31
US-09-315-574-54
; Sequence 54, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS: 141
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-55

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   |||:|
Db 26 GYDFSTYWIW 36

RESULT 32
US-09-315-574-55
; Sequence 55, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS: 141
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-55

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   |||:|
Db 26 GYDFSTYWIW 36
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RESULT 33
US-09-315-574-57
; Sequence 57, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-57

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFSTWIAM 36

RESULT 34
US-09-136-315-2
; Sequence 2, Application US/09136315B
; Patent No. 6228360
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; TITLE OF INVENTION: ANTITHROMBOTIC AGENT AND HUMANIZED ANTI-VON WILLEBRAND
; TITLE OF INVENTION: FACTOR MONOCLONAL ANTIBODY
; FILE REFERENCE: 0010-0933-0
; CURRENT APPLICATION NUMBER: US/09/136,315B
; CURRENT FILING DATE: 1998-08-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 139
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SYNTHETIC DNA
US-09-136-315-6

Query Match 41.8%; Score 41; DB 3; Length 139;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | |
Db 41 AASGDFDSRFWSW 54

RESULT 35
US-09-136-315-6
; Sequence 6, Application US/09136315B
; Patent No. 6228360
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; TITLE OF INVENTION: ANTITHROMBOTIC AGENT AND HUMANIZED ANTI-VON WILLEBRAND
; TITLE OF INVENTION: FACTOR MONOCLONAL ANTIBODY
; FILE REFERENCE: 0010-0933-0
; CURRENT APPLICATION NUMBER: US/09/136,315B
; CURRENT FILING DATE: 1998-08-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 139
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SYNTHETIC DNA
US-09-136-315-6

Query Match 41.8%; Score 41; DB 3; Length 139;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | |
Db 41 AASGDFDSRFWSW 54

RESULT 36
US-08-318-157B-8
; Sequence 8, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
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;; FILING DATE: 05-OCT-1994
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SAXE, Bernhard D.
;; REGISTRATION NUMBER: 28,665
;; REFERENCE/DOCKET NUMBER: 18733/464
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202)672-5300
;; TELEFAX: (202)672-5399
;; TELEX: 904136
;; INFORMATION FOR SEQ ID NO: 8:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 119 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-318-157B-8

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GFDFTYWMWSW 36

RESULT 37
US-08-318-157B-9
; Sequence 9, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-9

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GFDFTYWMWSW 36

RESULT 38
US-08-318-157B-10
; Sequence 10, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-10

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
DB 26 GFDFTYWMWSW 36

RESULT 39
US-08-318-157B-11
; Sequence 11, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington

STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICANT: Patent In Release #1.0, Version #1.30
FILING DATE: 05-OCT-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: SAXE, Bernhard D.
REGISTRATION NUMBER: 28,665
REFERENCE/DOCKET NUMBER: 18733/464
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-157B-11

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
||| :|:
Db 26 GFDFTYWMWSW 36

RESULT 40
US-08-318-157B-13
Sequence 13, Application US/08318157B
Patent No. 5874540
GENERAL INFORMATION:
APPLICANT: HANSEN, Hans J.
APPLICANT: ARMOUR, Kathryn L.
TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,157B
FILING DATE: 05-OCT-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: SAXE, Bernhard D.
REGISTRATION NUMBER: 28,665
REFERENCE/DOCKET NUMBER: 18733/464
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-157B-13

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
||| :|:
Db 26 GFDFTYWMWSW 36

Search completed: October 28, 2003, 16:57:25
Job time : 5.10619 secs

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OM protein - protein search, using sw model

Run on: October 28, 2003, 16:56:30 ; Search time 12.885 Seconds
(without alignments)
207.946 Million cell updates/sec

Title: US-09-854-133-587

Perfect score: 98
Sequence: 1 FOANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 629382 seqs, 167460630 residues

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	98	100.0	16	10	US-09-738-973-587 Sequence 587, App
2	98	100.0	16	10	US-09-854-133-587 Sequence 587, App
3	98	100.0	16	15	US-10-144-649A-587 Sequence 587, App
4	98	100.0	97	10	US-09-738-973-586 Sequence 586, App
5	98	100.0	97	10	US-09-854-133-586 Sequence 586, App
6	98	100.0	97	15	US-10-144-649A-586 Sequence 586, App
7	98	100.0	114	15	US-10-144-649A-742 Sequence 742, App
8	46	46.9	64	10	US-09-325-300-1842 Sequence 1842, App
9	46	46.9	123	10	US-09-850-165-90 Sequence 90, Appl
10	45	45.9	218	12	US-10-017-161-544 Sequence 544, Appl
11	45	45.9	284	12	US-10-407-960-4 Sequence 4, Appl
12	45	45.9	323	9	US-09-816-087-4 Sequence 4, Appl
13	45	45.9	323	12	US-10-017-161-746 Sequence 746, App
14	45	45.9	323	15	US-10-266-643-4 Sequence 4, Appl
15	45	45.9	327	12	US-10-237-467-6 Sequence 6, Appl

16	45	45.9	343	10	US-09-985-694A-2 Sequence 2, Appli
17	45	45.9	343	10	US-09-985-694A-9 Sequence 9, Appli
18	45	45.9	343	11	US-09-929-752-2 Sequence 2, Appli
19	45	45.9	343	11	US-09-929-752-9 Sequence 9, Appli
20	45	45.9	343	12	US-10-305-555-14 Sequence 14, Appli
21	45	45.9	343	14	US-10-176-079-2 Sequence 2, Appli
22	45	45.9	343	14	US-10-176-079-9 Sequence 9, Appli
23	45	45.9	343	15	US-10-225-567A-482 Sequence 482, App
24	45	45.9	343	15	US-10-184-426-2 Sequence 2, Appli
25	45	45.9	343	15	US-10-184-426-9 Sequence 9, Appli
26	43	43.9	248	9	US-09-925-299-973 Sequence 973, App
27	43	43.9	248	11	US-09-925-299-973 Sequence 11503, A
28	43	43.9	475	9	US-09-815-242-11503 Sequence 118, App
29	43	43.9	519	10	US-09-895-913A-118 Sequence 28, App
30	43	43.9	805	12	US-10-217-939-28 Sequence 2, Appli
31	43	43.9	393	10	US-09-784-077-2 Sequence 132, App
32	42.5	43.4	393	10	US-09-789-561-132 Sequence 4, Appli
33	42	42.9	42	9	US-09-729-094-4 Sequence 1073, Ap
34	42	42.9	619	9	US-09-729-094-4 Sequence 1073, Ap
35	42	42.9	619	12	US-10-435-631-4 Sequence 2, Appli
36	41	41.8	77	9	US-09-764-869-1073 Sequence 12, Appli
37	41	41.8	77	15	US-10-091-504-1073 Sequence 12, Appli
38	41	41.8	119	9	US-09-253-794-2 Sequence 17, Appli
39	41	41.8	119	9	US-09-253-794-12 Sequence 2, Appli
40	41	41.8	119	9	US-09-253-794-17 Sequence 17, Appli
41	41	41.8	139	12	US-10-289-181-2 Sequence 2, Appli
42	41	41.8	139	12	US-10-289-181-6 Sequence 5746, Ap
43	41	41.8	230	10	US-09-738-626-5746 Sequence 6, Appli
44	41	41.8	283	12	US-09-907-218-6 Sequence 590, App
45	41	41.8	295	12	US-10-017-161-590 Sequence 590, App

ALIGNMENTS

RESULT 1
US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Filing, Steven P.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Inditias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-587

Query Match 100.0%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 FOANCGIDFIIFWIFW 16
Db 1 FOANCGIDFIIFWIFW 16

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RESULT 2
US-09-854-133-587
; Sequence 587, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-587

```

```

Query Match      100.0%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 1 FOANCGIDFIIFWIFW 16

```

```

RESULT 3
US-10-144-649A-587
; Sequence 587, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-587

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```

Query Match      100.0%; Score 98; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 1 FOANCGIDFIIFWIFW 16

```

```

RESULT 4
US-09-738-973-586
; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.

```

```

; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586

```

```

Query Match      100.0%; Score 98; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 35 FOANCGIDFIIFWIFW 50

```

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RESULT 5
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

```

```

Query Match      100.0%; Score 98; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 35 FOANCGIDFIIFWIFW 50

```

```

RESULT 6
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

Query Match 100.0%; Score 98; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIWF 16
Db 35 FOANCGIDFIWF 50

RESULT 7
US-10-144-649A-742
; Sequence 742, Application US/10/144,649A
; Publication No. US2003011859A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742

Query Match 100.0%; Score 98; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FOANCGIDFIWF 16
Db 52 FOANCGIDFIWF 67

RESULT 8
US-09-925-300-1842
; Sequence 1842, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1842
; LENGTH: 64

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-300-1842

Query Match 46.9%; Score 46; DB 10; Length 64;
Best Local Similarity 50.0%; Pred. No. 7;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 2 QANCGIDFIWF 13
Db 29 ESNCGLDVSVFF 40

RESULT 9
US-09-850-165-90
; Sequence 90, Application US/09850165
; Patent No. US20020150580A1
; GENERAL INFORMATION:
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: HANNA, NABIL
; APPLICANT: RAAB, RONALD W.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
; FILE REFERENCE: 037003-0280614
; CURRENT APPLICATION NUMBER: US/09/850,165
; CURRENT FILING DATE: 2001-05-08
; PRIOR APPLICATION NUMBER: 09/082,472
; PRIOR FILING DATE: 1998-05-21
; PRIOR APPLICATION NUMBER: 08/476,237
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/397,072
; PRIOR FILING DATE: 1995-04-17
; PRIOR APPLICATION NUMBER: 07/912,292
; PRIOR FILING DATE: 1992-07-10
; PRIOR APPLICATION NUMBER: 07/856,281
; PRIOR FILING DATE: 1992-03-23
; PRIOR APPLICATION NUMBER: 07/735,064
; PRIOR FILING DATE: 1991-07-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 90
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: monkey clone
US-09-850-165-90

Query Match 46.9%; Score 46; DB 10; Length 123;
Best Local Similarity 58.3%; Pred. No. 13;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 CGIDFIWF 16
Db 25 CGFSFTGFWSW 36

RESULT 10
US-10-017-161-544
; Sequence 544, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: SUWA, MAKIKO
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 544
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-544

Query Match      45.9%; Score 45; DB 12; Length 218;
Best Local Similarity 60.0%; Pred. No. 29;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      131 GIDWFLFWVF 140

RESULT 11
US-10-407-960-4
; Sequence 4, Application US/10407960
; Publication No. US20030162946A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al.
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000748CON
; CURRENT APPLICATION NUMBER: US/10/407,960
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: 09/633,146
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/199,149
; PRIOR FILING DATE: 2000-04-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-407-960-4

Query Match      45.9%; Score 45; DB 12; Length 284;
Best Local Similarity 60.0%; Pred. No. 37;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      212 GIDWFLFWVF 221

RESULT 12
US-09-816-087-4
; Sequence 4, Application US/09816087
; Patent No. US20020064822A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000749-CIP
; CURRENT APPLICATION NUMBER: US/09/816,087
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-816-087-4

Query Match      45.9%; Score 45; DB 9; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      244 GIDWFLFWVF 253

us-09-854-133-587.rapb

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      244 GIDWFLFWVF 253

RESULT 13
US-10-017-161-746
; Sequence 746, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 746
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-746

Query Match      45.9%; Score 45; DB 12; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      238 GIDWFLFWVF 247

RESULT 14
US-10-266-643-4
; Sequence 4, Application US/10266643
; Publication No. US20030059891A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL000749-CON
; CURRENT APPLICATION NUMBER: US/10/266,643
; CURRENT FILING DATE: 2002-10-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-266-643-4

Query Match      45.9%; Score 45; DB 15; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      244 GIDWFLFWVF 253

RESULT 15
US-10-237-467-6
; Sequence 6, Application US/10237467
; Publication No. US20030186324A1
; GENERAL INFORMATION:
; APPLICANT: Liao, Jiayu
; APPLICANT: Gray, Nathanael S.
```

APPLICANT: Caldwell, Jeremy C.
APPLICANT: Schultz, Peter G.
APPLICANT: IRM LLC
TITLE OF INVENTION: Sensory Neuron Receptors
FILE REFERENCE: 021288-001300US
CURRENT APPLICATION NUMBER: US/10/237,467
CURRENT FILING DATE: 2003-01-14
PRIOR APPLICATION NUMBER: US 60/317,879
PRIOR FILING DATE: 2001-09-07
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 327
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: dorsal root ganglia G-protein coupled receptor (GPCR)
US-10-237-467-6

Query Match 45.9%; Score 45; DB 12; Length 327;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 240 GIDWFLFWVF 249

RESULT 16
US-09-854-694A-2
Sequence 2, Application US/09985694A
Patent No. US20020150980A1
GENERAL INFORMATION:
APPLICANT: Li et al.
TITLE OF INVENTION: G-Protein Coupled Receptor
CURRENT APPLICATION NUMBER: US/09/985,694A
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: 08/461,989
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: PCT/US94/13296
PRIOR FILING DATE: 1994-11-18
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 343
TYPE: PRT
ORGANISM: human
US-09-985-694A-2

Query Match 45.9%; Score 45; DB 10; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 17
US-09-985-694A-9
Sequence 9, Application US/09985694A
Patent No. US20020150980A1
GENERAL INFORMATION:
APPLICANT: Li et al.
TITLE OF INVENTION: G-Protein Coupled Receptor
CURRENT APPLICATION NUMBER: US/09/985,694A
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: 08/461,989
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: PCT/US94/13296

PRIOR FILING DATE: 1994-11-18
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 343
TYPE: PRT
ORGANISM: human
US-09-985-694A-9

Query Match 45.9%; Score 45; DB 10; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 18
US-09-929-752-2
Sequence 2, Application US/09929752
Publication No. US20030113909A1
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
Fujii, Ryo
Kawanata, Yuji
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
PRODUCTION AND USE THEREOF
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/929,752
FILING DATE: 14-Aug-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/555,905
FILING DATE: <Unknown>
APPLICATION NUMBER: JP 7-215798
FILING DATE: 24-AUG-1995
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
APPLICATION NUMBER: JP 7-224544
FILING DATE: 10-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Conlin, David G.
REGISTRATION NUMBER: 27,026
REFERENCE/DOCKET NUMBER: 1550/45836
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-929-752-2

Query Match 45.9%; Score 45; DB 11; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 19

US-09-929-752-9
; Sequence 9, Application US/09929752
; Publication No. US20030113909A1
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; Fujii, Ryo
; Kawamata, Yuji
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/929,752
; FILING DATE: 14-Aug-2001
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/555,905
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 7-215798
; FILING DATE: 24-AUG-1995
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; APPLICATION NUMBER: JP 7-224544
; FILING DATE: 10-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Conlin, David G.
; REGISTRATION NUMBER: 27,026
; REFERENCE/DOCKET NUMBER: 1550/45836
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 343 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Query Match 45.9%; Score 45; DB 11; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIFWIF 15
|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 20

US-10-305-555-14
; Sequence 14, Application US/10305555
; Publication No. US20030157525A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBEMV31, AND VARIANT
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: D0196 NP
; CURRENT APPLICATION NUMBER: US/10/305,555
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: U.S. 60/333,337
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: U.S. 60/355,619
; PRIOR FILING DATE: 2002-02-06
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-10-305-555-14

Query Match 45.9%; Score 45; DB 12; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIFWIF 15

|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 21

US-10-176-079-2
; Sequence 2, Application US/10176079
; Publication No. US20020192760A1
; GENERAL INFORMATION:
; APPLICANT: Li et al.
; TITLE OF INVENTION: G-Protein Coupled Receptor
; FILE REFERENCE: PFI45PIDICI
; CURRENT APPLICATION NUMBER: US/10/176,079
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/562,909
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 08/461,989
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/13296
; PRIOR FILING DATE: 1994-11-18
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 343
; TYPE: PRT
; ORGANISM: human
; US-10-176-079-2

Query Match 45.9%; Score 45; DB 14; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIFWIF 15

|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 22

US-10-176-079-9
; Sequence 9, Application US/10176079
; Publication No. US20020192760A1
; GENERAL INFORMATION:

; APPLICANT: Li et al.
; TITLE OF INVENTION: G-Protein Coupled Receptor
; FILE REFERENCE: PF145PID1C1
; CURRENT APPLICATION NUMBER: US/10/176,079
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/562,909
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 08/461,989
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/13296
; PRIOR FILING DATE: 1994-11-18
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 343
; TYPE: PRT
; ORGANISM: human
US-10-176-079-9

Query Match 45.9%; Score 45; DB 14; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 23
US-10-225-567A-482
; Sequence 482, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenn C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 482
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-482

Query Match 45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 24
US-10-184-426-2
; Sequence 2, Application US/10184426
; Publication No. US20030118586A1
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; Fujii, Ryo
; Kawamata, Yuji
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/184,426
FILING DATE: 28-Jun-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,905
FILING DATE: 13-NOV-1995
APPLICATION NUMBER: JP 6-279545
FILING DATE: 14-NOV-1994
APPLICATION NUMBER: JP 7-215798
FILING DATE: 24-AUG-1995
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
APPLICATION NUMBER: JP 7-224544
FILING DATE: 10-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Conlin, David G.
REGISTRATION NUMBER: 27,026
REFERENCE/DOCKET NUMBER: 1550/45836
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: Peptide
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-184-426-2

Query Match 45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:
Db 256 GIDWFLFWVF 265

RESULT 25
US-10-184-426-9
; Sequence 9, Application US/10184426
; Publication No. US20030118586A1
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; Fujii, Ryo
; Kawamata, Yuji
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109


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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/184,426
; FILING DATE: 28-Jun-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,905
; FILING DATE: 13-NOV-1995
; APPLICATION NUMBER: JP 6-279545
; FILING DATE: 14-NOV-1994
; APPLICATION NUMBER: JP 7-215798
; FILING DATE: 24-AUG-1995
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; APPLICATION NUMBER: JP 7-224544
; FILING DATE: 10-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Conlin, David G.
; REGISTRATION NUMBER: 27,026
; REFERENCE/DOCKET NUMBER: 1550/45836
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 343 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-184-426-9

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Query Match 45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

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QY 6 GIDFIWFIF 15
DB 256 GIDWFLFWF 265

RESULT 26
US-09-925-299-973
; Sequence 973, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 973
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-973

Query Match 43.9%; Score 43; DB 9; Length 248;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

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Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 FIIFWIFW 16
DB 226 FIIFWIFW 233

RESULT 27
US-09-925-299-973
; Sequence 973, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 973
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-973

Query Match 43.9%; Score 43; DB 11; Length 248;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 FIIFWIFW 16
DB 226 FIIFWIFW 233

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RESULT 28
US-09-815-242-11503
; Sequence 11503, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT FILING DATE: 2001-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11503

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; LENGTH: 475
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11503

Query Match          43.9%; Score 43; DB 9; Length 475;
Best Local Similarity 36.4%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   | : : : | : : |
Db 93 GTGYMVFWMYW 103

RESULT 29
US-09-815-242-11388
; Sequence 11388, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11388
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11388

Query Match          43.9%; Score 43; DB 9; Length 519;
Best Local Similarity 36.4%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   | : : : | : : |
Db 137 GTGYMVFWMYW 147

RESULT 30
US-09-895-913A-118
; Sequence 118, Application US/09895913A
; Patent No. US20020160456A1
; GENERAL INFORMATION:
; APPLICANT: Kleanthous, Harold
; APPLICANT: Al-Garawi, Amal
; APPLICANT: Miller, Charles
; APPLICANT: Tomb, Jean Francois
; APPLICANT: Oomen, Raymond P.

; TITLE OF INVENTION: Identification of Polynucleotides
; TITLE OF INVENTION: Encoding No. US20020160456A1 Helicobacter Polypeptides in t
; TITLE OF INVENTION: Genome
; FILE REFERENCE: 06132/043002
; CURRENT APPLICATION NUMBER: US/09/895,913A
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 08/881,227
; PRIOR FILING DATE: 1997-06-24
; NUMBER OF SEQ ID NOS: 368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-895-913A-118

Query Match          43.9%; Score 43; DB 10; Length 519;
Best Local Similarity 36.4%; Pred. No. 1.3e+02;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
   | : : : | : : |
Db 137 GTGYMVFWMYW 147

RESULT 31
US-10-217-939-28
; Sequence 28, Application US/10217939
; Publication No. US20030154512A1
; GENERAL INFORMATION:
; APPLICANT: MITTENDORF, VOLKER
; APPLICANT: HAERTEL, HEIKO A.
; APPLICANT: CIRPUS, PETRA
; TITLE OF INVENTION: SUGAR AND LIPID METABOLISM REGULATORS IN PLANTS III
; FILE REFERENCE: 16313-0157
; CURRENT APPLICATION NUMBER: US/10/217,939
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 60/311,414
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 805
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-217-939-28

Query Match          43.9%; Score 43; DB 12; Length 805;
Best Local Similarity 62.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 9 FIIFWIFW 16
   | : : : |
Db 19 FLSEFWFW 26

RESULT 32
US-09-784-077-2
; Sequence 2, Application US/09784077
; Patent No. US20020111469A1
; GENERAL INFORMATION:
; APPLICANT: NATSUKA, SHUNJI
; APPLICANT: GERSTEN, KEVIN M.
; APPLICANT: LOWE, JOHN B.
; TITLE OF INVENTION: MURINE ALPHA (1,3) FUCOSYLTRANSFERASE
; FUC-TVII DNA ENCODING THE SAME, METHOD FOR PREPARING THE
; SAME, ANTIBODIES RECOGNIZING THE SAME, IMMUNOASSAYS FOR
; DETECTING THE SAME, PLASMIDS CONTAINING SUCH DNA
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
```



```
; SEQ ID NO 1073
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (26)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (36)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-869-1073

Query Match          41.8%; Score 41; DB 9; Length 77;
Best Local Similarity 60.0%; Pred. No. 46;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CGIDFIIFWI 14
   :|||
Db 56 CALEPRIFWI 65

RESULT 37
US-10-091-504-1073
; Sequence 1073, Application US/10091504
; Publication No. US2003005908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1073
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (26)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: misc_feature
; LOCATION: (36)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-091-504-1073

Query Match          41.8%; Score 41; DB 15; Length 77;
Best Local Similarity 60.0%; Pred. No. 46;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CGIDFIIFWI 14
   :|||
Db 56 CALEPRIFWI 65

RESULT 38
US-09-253-794-2
; Sequence 2, Application US/09253794
; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
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; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-253-794-2

Query Match          41.8%; Score 41; DB 9; Length 119;
Best Local Similarity 42.9%; Pred. No. 67;
Matches 6; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 3 ANCGIDFIIFWIFW 16
   |||||
Db 23 AASGDFETTYWMSW 36

RESULT 39
US-09-253-794-12
; Sequence 12, Application US/09253794
; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
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TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
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Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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Db 23 SSSGFDFTYWNWSW 36

RESULT 40

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; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-09-253-794-17

Query Match 41.8%; Score 41; DB 9; Length 119;
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Job time : 13.885 secs

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OM protein - protein search, using sw model

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Title: US-09-854-133-587

Perfect score: 16

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Searched: 328717 seqs, 42310858 residues

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Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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170	4	25.0	37	3	US-08-919-597-256	Sequence 256, App	243	4	25.0	79	4	US-09-107-532A-4869	Sequence 4869, App
171	4	25.0	37	3	US-08-919-597-257	Sequence 257, App	244	4	25.0	81	4	US-09-134-001C-5629	Sequence 5629, App
172	4	25.0	37	3	US-08-919-597-258	Sequence 258, App	245	4	25.0	83	3	US-08-665-259-13	Sequence 13, Appl
173	4	25.0	37	3	US-08-919-597-259	Sequence 259, App	246	4	25.0				

247	4	25.0	83	3	US-08-762-500-13	Sequence 13, Appl	320	4	25.0	134	3	US-09-377-557-8	Sequence 8, Appl
248	4	25.0	84	4	US-09-593-360B-77	Sequence 77, Appl	321	4	25.0	137	4	US-09-452-239-34	Sequence 34, Appl
249	4	25.0	85	3	US-09-188-930-152	Sequence 152, Appl	322	4	25.0	140	4	US-09-328-352-4968	Sequence 4568, Ap
250	4	25.0	86	3	US-09-188-930-319	Sequence 319, Appl	323	4	25.0	141	4	US-09-328-352-6339	Sequence 6339, Ap
251	4	25.0	86	4	US-09-134-001C-5488	Sequence 5488, Ap	324	4	25.0	142	2	US-08-678-194-8	Sequence 8, Appl
252	4	25.0	86	4	US-09-312-283C-152	Sequence 152, Appl	325	4	25.0	142	3	US-08-890-011-8	Sequence 8, Appl
253	4	25.0	86	4	US-09-312-283C-319	Sequence 319, Appl	326	4	25.0	142	4	US-09-362-724-8	Sequence 8, Appl
254	4	25.0	86	4	US-08-311-731A-375	Sequence 375, Appl	327	4	25.0	142	4	US-09-107-532A-6242	Sequence 6242, Ap
255	4	25.0	87	4	US-09-247-155-100	Sequence 100, Appl	328	4	25.0	148	3	US-09-352-990-4	Sequence 4, Appl
256	4	25.0	87	4	US-09-371-671B-7	Sequence 7, Appl	329	4	25.0	148	4	US-09-328-352-6923	Sequence 5375, Ap
257	4	25.0	87	4	US-09-107-532A-5484	Sequence 5484, Ap	330	4	25.0	148	4	US-09-134-001C-5375	Sequence 5375, Ap
258	4	25.0	88	3	US-08-665-259-12	Sequence 12, Appl	331	4	25.0	148	4	US-09-732-210-1500	Sequence 1500, Ap
259	4	25.0	88	3	US-08-762-500-12	Sequence 12, Appl	332	4	25.0	149	4	US-09-732-210-677	Sequence 677, App
260	4	25.0	89	4	US-09-453-956-4	Sequence 4, Appl	333	4	25.0	152	1	US-07-906-871-14	Sequence 14, Appl
261	4	25.0	89	4	US-09-107-532A-6902	Sequence 6902, Ap	334	4	25.0	152	4	US-09-198-452A-710	Sequence 710, App
262	4	25.0	92	1	US-08-319-387-3	Sequence 3, Appl	335	4	25.0	152	4	US-09-107-532A-4597	Sequence 4597, Ap
263	4	25.0	92	3	US-09-193-104-2	Sequence 2, Appl	336	4	25.0	154	3	US-09-193-104-7	Sequence 7, Appl
264	4	25.0	92	3	US-09-193-104-3	Sequence 3, Appl	337	4	25.0	154	3	US-09-193-104-8	Sequence 8, Appl
265	4	25.0	92	3	US-09-193-104-4	Sequence 4, Appl	338	4	25.0	154	3	US-09-193-104-9	Sequence 9, Appl
266	4	25.0	92	3	US-09-193-104-5	Sequence 5, Appl	339	4	25.0	154	3	US-09-193-104-10	Sequence 10, Appl
267	4	25.0	92	3	US-09-193-104-6	Sequence 6, Appl	340	4	25.0	154	3	US-09-193-104-11	Sequence 11, Appl
268	4	25.0	95	1	US-08-202-389-21	Sequence 21, Appl	341	4	25.0	154	3	US-09-193-104-12	Sequence 12, Appl
269	4	25.0	95	1	US-08-202-389-22	Sequence 22, Appl	342	4	25.0	154	3	US-09-193-104-13	Sequence 13, Appl
270	4	25.0	95	1	US-08-202-389-23	Sequence 23, Appl	343	4	25.0	154	3	US-09-193-104-14	Sequence 14, Appl
271	4	25.0	96	1	US-08-486-013-21	Sequence 21, Appl	344	4	25.0	154	3	US-09-193-104-15	Sequence 15, Appl
272	4	25.0	96	2	US-08-482-279-21	Sequence 21, Appl	345	4	25.0	154	3	US-09-193-104-16	Sequence 16, Appl
273	4	25.0	96	2	US-08-342-268-11	Sequence 21, Appl	346	4	25.0	154	3	US-09-193-104-17	Sequence 17, Appl
274	4	25.0	96	3	US-08-045-968-21	Sequence 21, Appl	347	4	25.0	154	3	US-09-193-104-18	Sequence 18, Appl
275	4	25.0	99	4	US-09-397-386-21	Sequence 21, Appl	348	4	25.0	154	3	US-09-193-104-19	Sequence 19, Appl
276	4	25.0	99	4	US-09-328-352-5327	Sequence 5327, Ap	349	4	25.0	154	3	US-09-193-104-20	Sequence 20, Appl
277	4	25.0	102	2	US-08-592-406-24	Sequence 24, Appl	350	4	25.0	154	3	US-09-193-104-21	Sequence 21, Appl
278	4	25.0	103	4	US-09-107-532A-7072	Sequence 7072, Ap	351	4	25.0	154	3	US-09-193-104-22	Sequence 22, Appl
279	4	25.0	105	4	US-09-134-001C-4949	Sequence 4949, Ap	352	4	25.0	154	3	US-09-193-104-23	Sequence 23, Appl
280	4	25.0	105	4	US-09-732-210-1488	Sequence 1488, Ap	353	4	25.0	154	3	US-09-193-104-24	Sequence 24, Appl
281	4	25.0	106	1	US-08-803-623B-7	Sequence 7, Appl	354	4	25.0	154	3	US-09-193-104-25	Sequence 25, Appl
282	4	25.0	106	2	US-08-806-084-7	Sequence 7, Appl	355	4	25.0	154	3	US-09-193-104-26	Sequence 26, Appl
283	4	25.0	106	3	US-08-946-329A-105	Sequence 105, Appl	356	4	25.0	154	3	US-09-193-104-27	Sequence 27, Appl
284	4	25.0	106	4	US-09-201-970A-7	Sequence 7, Appl	357	4	25.0	154	4	US-09-134-001C-5287	Sequence 5287, Ap
285	4	25.0	106	4	US-09-134-001C-3880	Sequence 3880, Ap	358	4	25.0	154	4	US-09-723-830-2	Sequence 2, Appl
286	4	25.0	111	4	US-09-462-478A-6	Sequence 4807, Ap	359	4	25.0	154	4	US-09-198-452A-467	Sequence 457, App
287	4	25.0	112	4	US-09-328-352-5432	Sequence 6, Appl	360	4	25.0	155	1	US-08-468-347-19	Sequence 19, Appl
288	4	25.0	112	4	US-09-328-352-6514	Sequence 5432, Ap	361	4	25.0	155	2	US-08-467-389-19	Sequence 19, Appl
289	4	25.0	112	4	US-09-198-452A-365	Sequence 6514, Ap	362	4	25.0	155	2	US-08-779-379-19	Sequence 19, Appl
290	4	25.0	113	4	US-08-319-704-3	Sequence 365, Appl	363	4	25.0	155	2	US-08-469-219-19	Sequence 19, Appl
291	4	25.0	114	2	US-09-134-001C-3089	Sequence 3, Appl	364	4	25.0	155	3	US-09-053-197A-25	Sequence 25, Appl
292	4	25.0	114	3	US-09-370-807-16	Sequence 3089, Ap	365	4	25.0	155	3	US-09-228-152-18	Sequence 18, Appl
293	4	25.0	116	3	US-09-921-259-16	Sequence 16, Appl	366	4	25.0	155	4	US-09-085-761A-25	Sequence 25, Appl
294	4	25.0	116	4	US-09-732-210-1691	Sequence 16, Appl	367	4	25.0	156	4	US-09-328-352-8194	Sequence 8194, Ap
295	4	25.0	116	4	US-07-988-273-4	Sequence 1591, Ap	368	4	25.0	157	4	US-09-306-420C-20	Sequence 20, Appl
296	4	25.0	117	1	PCT-US93-15019-4	Sequence 4, Appl	369	4	25.0	157	4	US-09-107-532A-5501	Sequence 5501, Ap
297	4	25.0	117	5	US-09-311-784A-10	Sequence 10, Appl	370	4	25.0	158	4	US-09-252-991A-32384	Sequence 32384, A
298	4	25.0	119	4	US-08-936-165A-303	Sequence 303, Appl	371	4	25.0	158	4	US-09-198-452A-462	Sequence 462, App
299	4	25.0	121	4	US-09-425-638A-46	Sequence 46, Appl	372	4	25.0	160	4	US-09-370-838-189	Sequence 189, App
300	4	25.0	124	4	US-09-425-638A-47	Sequence 47, Appl	373	4	25.0	161	4	US-09-328-352-6379	Sequence 6379, Ap
301	4	25.0	124	4	US-09-425-638A-48	Sequence 48, Appl	374	4	25.0	162	2	US-08-319-704-6	Sequence 6, Appl
302	4	25.0	124	4	US-09-425-638A-50	Sequence 50, Appl	375	4	25.0	162	4	US-09-352-991A-26869	Sequence 26869, A
303	4	25.0	124	4	US-09-425-638A-52	Sequence 52, Appl	376	4	25.0	164	3	US-09-009-913-11	Sequence 11, Appl
304	4	25.0	124	4	US-09-425-638A-53	Sequence 53, Appl	377	4	25.0	168	1	US-08-487-890A-106	Sequence 106, App
305	4	25.0	124	4	US-09-543-004-46	Sequence 46, Appl	378	4	25.0	168	2	US-08-478-435-106	Sequence 106, App
306	4	25.0	124	4	US-09-543-004-47	Sequence 47, Appl	379	4	25.0	168	2	US-08-337-483-106	Sequence 106, App
307	4	25.0	124	4	US-09-543-004-48	Sequence 48, Appl	380	4	25.0	168	2	US-08-478-373-106	Sequence 106, App
308	4	25.0	124	4	US-09-543-004-50	Sequence 50, Appl	381	4	25.0	168	3	US-08-474-671-106	Sequence 106, App
309	4	25.0	124	4	US-09-543-004-52	Sequence 52, Appl	382	4	25.0	168	3	US-08-483-577A-106	Sequence 106, App
310	4	25.0	124	4	US-09-543-004-53	Sequence 53, Appl	383	4	25.0	168	3	US-08-897-438-106	Sequence 106, App
311	4	25.0	124	4	US-09-252-991A-21089	Sequence 21089, A	384	4	25.0	168	4	US-08-637-654-106	Sequence 106, App
312	4	25.0	124	4	US-09-328-352-5577	Sequence 5577, Ap	385	4	25.0	168	4	US-08-649-518-106	Sequence 106, App
313	4	25.0	127	4	US-09-134-001C-4041	Sequence 4041, Ap	386	4	25.0	169	4	US-09-544-716-16	Sequence 16, Appl
314	4	25.0	131	4	US-08-186-276B-37	Sequence 37, Appl	387	4	25.0	169	4	US-09-557-921-17	Sequence 17, Appl
315	4	25.0	131	4	US-08-842-445-37	Sequence 37, Appl	388	4	25.0	169	5	PCT-US96-07709-22	Sequence 22, Appl
316	4	25.0	131	4	US-09-186-188B-37	Sequence 37, Appl	389	4	25.0	171	4	US-09-544-716-18	Sequence 18, Appl
317	4	25.0	133	4	US-09-107-532A-4535	Sequence 4535, Ap	390	4	25.0	171	4	US-09-252-991A-20711	Sequence 20711, A
318	4	25.0	133	4	US-08-847-724-1	Sequence 1, Appl	391	4	25.0	171	4	US-09-557-921-19	Sequence 19, Appl
319	4	25.0	134	2			392	4	25.0	172	2	US-08-853-659A-46	Sequence 46, Appl

393	4	25.0	172	4	US-09-134-001C-5649	Sequence 5649, Ap	466	4	25.0	203	3	US-08-801-740-8	Sequence 8, Appli
394	4	25.0	172	4	US-09-205-258-477	Sequence 477, App	467	4	25.0	203	4	US-09-328-352-6609	Sequence 6609, Ap
395	4	25.0	174	4	US-09-522-714-28	Sequence 28, Appl	468	4	25.0	204	4	US-09-134-001C-3833	Sequence 3833, Ap
396	4	25.0	177	4	US-08-867-030B-16	Sequence 16, Appl	469	4	25.0	205	4	US-08-531-525-25	Sequence 25, Appl
397	4	25.0	177	3	US-08-975-762-38	Sequence 38, Appl	470	4	25.0	205	2	US-08-729-152-8	Sequence 8, Appli
398	4	25.0	177	3	US-08-975-762-35	Sequence 35, Appl	471	4	25.0	205	2	US-08-718-270A-25	Sequence 25, Appl
399	4	25.0	177	3	US-08-821-324-38	Sequence 38, Appl	472	4	25.0	206	4	US-09-134-001C-3929	Sequence 3929, Ap
400	4	25.0	177	3	US-09-295-028-38	Sequence 38, Appl	473	4	25.0	207	2	US-08-531-525-22	Sequence 22, Appl
401	4	25.0	177	3	US-09-295-028-55	Sequence 55, Appl	474	4	25.0	207	2	US-08-531-525-35	Sequence 35, Appl
402	4	25.0	177	4	US-09-106-582-38	Sequence 38, Appl	475	4	25.0	207	2	US-08-824-873-4	Sequence 4, Appli
403	4	25.0	177	4	US-09-106-582-55	Sequence 55, Appl	476	4	25.0	207	2	US-08-718-270A-22	Sequence 22, Appl
404	4	25.0	177	4	US-08-469-260A-53	Sequence 53, Appl	477	4	25.0	207	2	US-08-718-270A-35	Sequence 35, Appl
405	4	25.0	177	4	US-08-468-446-53	Sequence 53, Appl	478	4	25.0	207	3	US-09-198-184-4	Sequence 4, Appli
406	4	25.0	177	4	US-08-467-344A-53	Sequence 53, Appl	479	4	25.0	207	4	US-09-252-991A-18843	Sequence 18843, A
407	4	25.0	179	4	PCT-US95-06119-16	Sequence 16, Appl	480	4	25.0	207	4	US-09-252-991A-23680	Sequence 23680, A
408	4	25.0	179	4	US-09-328-352-460A	Sequence 460A, Ap	481	4	25.0	208	4	US-09-252-991A-25796	Sequence 25796, A
409	4	25.0	181	4	US-09-107-532A-4183	Sequence 4183, Ap	482	4	25.0	210	4	US-09-107-532A-4250	Sequence 4250, Ap
410	4	25.0	181	4	US-08-107-532A-4491	Sequence 4491, Ap	483	4	25.0	213	1	US-07-930-678-2	Sequence 2, Appli
411	4	25.0	183	4	US-08-961-083-178	Sequence 178, App	484	4	25.0	214	4	US-09-134-001C-3375	Sequence 3375, Ap
412	4	25.0	183	4	US-09-536-784-178	Sequence 178, App	485	4	25.0	215	2	US-08-531-525-10	Sequence 10, Appl
413	4	25.0	185	4	US-09-328-352-552A	Sequence 552A, Ap	486	4	25.0	215	2	US-08-718-270A-10	Sequence 10, Appl
414	4	25.0	185	4	US-09-328-352-5973	Sequence 5973, Ap	487	4	25.0	215	4	US-09-134-001C-4682	Sequence 4682, Ap
415	4	25.0	185	4	US-09-328-352-8054	Sequence 8054, Ap	488	4	25.0	215	4	US-09-252-991A-21577	Sequence 21577, A
416	4	25.0	186	2	US-08-833-610-3	Sequence 3, Appli	489	4	25.0	215	4	US-09-252-991A-23297	Sequence 23297, A
417	4	25.0	186	3	US-08-834-033A-13	Sequence 13, Appl	490	4	25.0	215	4	US-09-107-532A-4978	Sequence 4978, Ap
418	4	25.0	186	4	US-09-134-001C-4095	Sequence 4095, Ap	491	4	25.0	217	4	US-09-328-352-7068	Sequence 7068, Ap
419	4	25.0	186	4	US-09-134-001C-4741	Sequence 4741, Ap	492	4	25.0	218	2	US-08-531-525-19	Sequence 19, Appl
420	4	25.0	186	4	US-09-328-352-4797	Sequence 4797, Ap	493	4	25.0	218	2	US-08-718-270A-19	Sequence 19, Appl
421	4	25.0	188	1	US-08-339-152A-20	Sequence 20, Appl	494	4	25.0	218	4	US-09-328-352-4385	Sequence 4385, Ap
422	4	25.0	188	2	US-08-007-999B-9	Sequence 9, Appli	495	4	25.0	219	3	US-08-871-572B-12	Sequence 12, Appl
423	4	25.0	188	2	US-08-689-276A-9	Sequence 9, Appli	496	4	25.0	220	4	US-09-107-532A-5764	Sequence 5764, Ap
424	4	25.0	190	2	US-08-824-873-3	Sequence 3, Appli	497	4	25.0	220	5	PCT-US96-07709-30	Sequence 30, Appl
425	4	25.0	190	3	US-09-198-184-3	Sequence 3, Appli	498	4	25.0	222	4	US-09-252-991A-18158	Sequence 18158, A
426	4	25.0	191	4	US-09-075-454-3	Sequence 3, Appli	499	4	25.0	222	4	US-09-252-991A-23841	Sequence 23841, A
427	4	25.0	193	4	US-09-252-991A-28415	Sequence 28415, A	500	4	25.0	223	2	US-08-896-410-4	Sequence 4, Appli
428	4	25.0	194	2	US-08-531-525-34	Sequence 34, Appl	501	4	25.0	224	2	US-08-616-857-2	Sequence 2, Appli
429	4	25.0	194	2	US-07-718-270A-34	Sequence 34, Appl	502	4	25.0	224	4	US-09-134-001C-4608	Sequence 4608, Ap
430	4	25.0	196	3	US-07-998-289B-4	Sequence 4, Appli	503	4	25.0	225	6	5436139-4	Patent No. 5436139
431	4	25.0	197	1	US-08-468-347-24	Sequence 24, Appl	504	4	25.0	226	3	US-08-378-011A-3	Sequence 3, Appli
432	4	25.0	197	4	US-08-467-389-24	Sequence 24, Appl	505	4	25.0	226	1	US-08-871-572B-10	Sequence 10, Appl
433	4	25.0	197	2	US-08-779-379-24	Sequence 24, Appl	506	4	25.0	226	4	US-09-471-573A-2	Sequence 2, Appli
434	4	25.0	197	2	US-08-469-219-24	Sequence 24, Appl	507	4	25.0	226	4	US-09-471-573A-40	Sequence 40, Appl
435	4	25.0	197	3	US-09-228-152-24	Sequence 24, Appl	508	4	25.0	226	5	PCT-US96-10602-14	Sequence 14, Appl
436	4	25.0	197	5	PCT-US96-07709-19	Sequence 19, Appl	509	4	25.0	226	6	5196194-21	Patent No. 5196194
437	4	25.0	198	1	US-08-278-091-16	Sequence 16, Appl	510	4	25.0	226	6	5198348-1	Patent No. 5198348
438	4	25.0	198	1	US-08-483-859-16	Sequence 16, Appl	511	4	25.0	226	6	5436139-5	Patent No. 5436139
439	4	25.0	198	1	US-08-472-173-16	Sequence 16, Appl	512	4	25.0	227	4	US-08-213-419B-13	Sequence 13, Appl
440	4	25.0	198	2	US-08-531-525-51	Sequence 51, Appl	513	4	25.0	228	1	US-08-447-591-2	Sequence 2, Appli
441	4	25.0	198	2	US-08-487-167-16	Sequence 16, Appl	514	4	25.0	228	1	US-08-447-591-3	Sequence 3, Appli
442	4	25.0	198	2	US-08-718-270A-51	Sequence 51, Appl	515	4	25.0	228	1	US-08-447-591-4	Sequence 4, Appli
443	4	25.0	198	2	US-08-482-816-16	Sequence 16, Appl	516	4	25.0	228	1	US-08-450-943-2	Sequence 2, Appli
444	4	25.0	198	2	US-08-236-149-16	Sequence 16, Appl	517	4	25.0	228	1	US-08-450-943-3	Sequence 3, Appli
445	4	25.0	198	2	US-08-801-499-16	Sequence 16, Appl	518	4	25.0	228	1	US-08-450-943-4	Sequence 4, Appli
446	4	25.0	198	2	US-08-615-271-16	Sequence 16, Appl	519	4	25.0	228	1	US-08-059-031-2	Sequence 2, Appli
447	4	25.0	198	3	US-08-074-660-16	Sequence 16, Appl	520	4	25.0	228	1	US-08-059-031-3	Sequence 3, Appli
448	4	25.0	198	3	US-09-074-659-16	Sequence 16, Appl	521	4	25.0	228	1	US-08-059-031-4	Sequence 4, Appli
449	4	25.0	198	3	US-09-106-468-16	Sequence 16, Appl	522	4	25.0	228	2	US-08-450-942-2	Sequence 2, Appli
450	4	25.0	198	3	US-09-106-466A-16	Sequence 16, Appl	523	4	25.0	228	2	US-08-450-942-3	Sequence 3, Appli
451	4	25.0	198	3	US-09-106-467-16	Sequence 16, Appl	524	4	25.0	228	2	US-08-450-942-4	Sequence 4, Appli
452	4	25.0	199	4	US-09-528-760A-2	Sequence 2, Appli	525	4	25.0	228	4	US-09-134-001C-4694	Sequence 4694, Ap
453	4	25.0	199	4	US-09-951-843-2	Sequence 2, Appli	526	4	25.0	228	4	US-09-134-001C-5495	Sequence 5495, Ap
454	4	25.0	199	4	US-09-198-452A-585	Sequence 585, App	527	4	25.0	228	4	US-09-328-352-5001	Sequence 5001, Ap
455	4	25.0	200	4	US-09-328-352-4773	Sequence 4773, Ap	528	4	25.0	228	5	PCT-US94-05090-2	Sequence 2, Appli
456	4	25.0	200	5	PCT-US94-14277-4	Sequence 4, Appli	529	4	25.0	228	5	PCT-US94-05090-3	Sequence 3, Appli
457	4	25.0	201	4	US-09-322-478-10	Sequence 10, Appl	530	4	25.0	228	5	PCT-US94-05090-4	Sequence 4, Appli
458	4	25.0	201	4	US-08-107-532A-5755	Sequence 5755, Ap	531	4	25.0	230	4	US-09-452-239-32	Sequence 32, Appl
459	4	25.0	202	1	US-07-803-623B-8	Sequence 8, Appli	532	4	25.0	231	4	US-09-495-406-35	Sequence 35, Appl
460	4	25.0	202	2	US-08-806-084-8	Sequence 8, Appli	533	4	25.0	233	4	US-09-886-319A-11	Sequence 11, Appl
461	4	25.0	202	4	US-09-201-970A-8	Sequence 8, Appli	534	4	25.0	233	4	US-09-886-319A-12	Sequence 12, Appl
462	4	25.0	202	4	US-09-134-001C-3396	Sequence 3396, Ap	535	4	25.0	234	4	US-09-634-238-220	Sequence 220, App
463	4	25.0	203	2	US-08-531-525-21	Sequence 21, Appl	536	4	25.0	234	4	US-09-107-532A-6746	Sequence 6746, Ap
464	4	25.0	203	2	US-08-801-740-8	Sequence 8, Appli	537	4	25.0	235	4	US-09-345-236B-13	Sequence 13, Appl
465	4	25.0	203	2	US-08-718-270A-21	Sequence 21, Appl	538	4	25.0	235	4	US-09-107-532A-3775	Sequence 3775, Ap

539	4	25.0	236	1	US-08-378-011A-1	Sequence 1, Appli	612	4	25.0	239	4	US-09-316-919-5	Sequence 5, Appli
540	4	25.0	237	2	US-08-818-514-3	Sequence 3, Appli	613	4	25.0	239	4	US-09-316-919-6	Sequence 6, Appli
541	4	25.0	237	3	US-09-115-934A-3	Sequence 3, Appli	614	4	25.0	239	4	US-09-316-919-7	Sequence 7, Appli
542	4	25.0	237	4	US-09-611-175-3	Sequence 3, Appli	615	4	25.0	239	4	US-09-316-919-10	Sequence 10, Appli
543	4	25.0	237	4	US-09-328-352-8181	Sequence 8181, Ap	616	4	25.0	239	4	US-09-316-919-11	Sequence 11, Appli
544	4	25.0	238	1	US-08-337-915A-2	Sequence 2, Appli	617	4	25.0	240	4	US-09-129-192C-49	Sequence 49, Appli
545	4	25.0	238	1	US-08-452-295-1	Sequence 1, Appli	618	4	25.0	241	4	US-09-107-532A-4941	Sequence 4941, Ap
546	4	25.0	238	1	US-08-753-143-2	Sequence 2, Appli	619	4	25.0	243	4	US-09-134-001C-4360	Sequence 4360, Ap
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548	4	25.0	238	2	US-08-679-865-2	Sequence 2, Appli	621	4	25.0	243	4	US-09-479-645A-38	Sequence 38, Appli
549	4	25.0	238	2	US-08-679-865-37	Sequence 37, Appli	622	4	25.0	243	4	US-09-479-645A-40	Sequence 40, Appli
550	4	25.0	238	2	US-08-680-876-2	Sequence 2, Appli	623	4	25.0	243	4	US-09-479-645A-42	Sequence 42, Appli
551	4	25.0	238	2	US-08-680-876-37	Sequence 37, Appli	624	4	25.0	243	4	US-09-479-645A-44	Sequence 44, Appli
552	4	25.0	238	2	US-08-818-604-32	Sequence 32, Appli	625	4	25.0	243	4	US-09-479-645A-46	Sequence 46, Appli
553	4	25.0	238	2	US-09-169-605-2	Sequence 2, Appli	626	4	25.0	243	4	US-09-479-645A-48	Sequence 48, Appli
554	4	25.0	238	2	US-08-792-553-2	Sequence 2, Appli	627	4	25.0	243	4	US-09-479-645A-50	Sequence 50, Appli
555	4	25.0	238	3	US-08-893-327-2	Sequence 2, Appli	628	4	25.0	243	4	US-09-479-645A-52	Sequence 52, Appli
556	4	25.0	238	3	US-08-893-327-16	Sequence 16, Appli	629	4	25.0	243	4	US-09-479-645A-54	Sequence 54, Appli
557	4	25.0	238	3	US-08-911-825-2	Sequence 2, Appli	630	4	25.0	243	4	US-09-479-645A-56	Sequence 56, Appli
558	4	25.0	238	3	US-08-753-144-2	Sequence 2, Appli	631	4	25.0	243	4	US-09-479-645A-58	Sequence 58, Appli
559	4	25.0	238	3	US-08-974-737-2	Sequence 2, Appli	632	4	25.0	243	4	US-09-479-645A-60	Sequence 60, Appli
560	4	25.0	238	3	US-08-643-704A-49	Sequence 49, Appli	633	4	25.0	243	4	US-09-479-645A-62	Sequence 62, Appli
561	4	25.0	238	3	US-08-706-408-2	Sequence 2, Appli	634	4	25.0	243	4	US-09-479-645A-64	Sequence 64, Appli
562	4	25.0	238	3	US-09-094-359-2	Sequence 2, Appli	635	4	25.0	243	4	US-09-479-645A-66	Sequence 66, Appli
563	4	25.0	238	3	US-09-172-063-2	Sequence 2, Appli	636	4	25.0	243	4	US-09-479-645A-68	Sequence 68, Appli
564	4	25.0	238	3	US-09-172-063-7	Sequence 7, Appli	637	4	25.0	243	4	US-09-479-645A-70	Sequence 70, Appli
565	4	25.0	238	3	US-09-172-063-8	Sequence 8, Appli	638	4	25.0	243	4	US-09-479-645A-72	Sequence 72, Appli
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567	4	25.0	238	3	US-08-819-612-18	Sequence 18, Appli	640	4	25.0	243	4	US-09-479-645A-76	Sequence 76, Appli
568	4	25.0	238	3	US-08-819-612-20	Sequence 20, Appli	641	4	25.0	243	4	US-09-479-645A-78	Sequence 78, Appli
569	4	25.0	238	3	US-08-819-612-22	Sequence 22, Appli	642	4	25.0	243	4	US-09-479-645A-80	Sequence 80, Appli
570	4	25.0	238	3	US-09-121-539-1	Sequence 1, Appli	643	4	25.0	243	4	US-09-479-645A-82	Sequence 82, Appli
571	4	25.0	238	3	US-09-263-975-2	Sequence 2, Appli	644	4	25.0	243	4	US-09-479-645A-84	Sequence 84, Appli
572	4	25.0	238	3	US-09-263-975-37	Sequence 37, Appli	645	4	25.0	243	4	US-09-479-645A-86	Sequence 86, Appli
573	4	25.0	238	4	US-09-213-343-4	Sequence 4, Appli	646	4	25.0	243	4	US-09-479-645A-88	Sequence 88, Appli
574	4	25.0	238	4	US-08-727-452-2	Sequence 2, Appli	647	4	25.0	243	4	US-09-479-645A-90	Sequence 90, Appli
575	4	25.0	238	4	US-09-465-142-2	Sequence 2, Appli	648	4	25.0	243	4	US-09-479-645A-92	Sequence 92, Appli
576	4	25.0	238	4	US-09-418-785-1	Sequence 1, Appli	649	4	25.0	243	4	US-09-479-645A-94	Sequence 94, Appli
577	4	25.0	238	4	US-09-452-239-28	Sequence 28, Appli	650	4	25.0	243	4	US-09-479-645A-96	Sequence 96, Appli
578	4	25.0	238	4	US-09-316-919-3	Sequence 3, Appli	651	4	25.0	243	4	US-09-479-645A-98	Sequence 98, Appli
579	4	25.0	238	4	US-09-316-919-8	Sequence 8, Appli	652	4	25.0	243	4	US-09-479-645A-100	Sequence 100, App
580	4	25.0	238	4	US-09-316-919-9	Sequence 9, Appli	653	4	25.0	243	4	US-09-479-645A-102	Sequence 102, App
581	4	25.0	238	4	US-09-214-909-2	Sequence 2, Appli	654	4	25.0	243	4	US-09-479-645A-104	Sequence 104, App
582	4	25.0	238	4	US-09-479-645A-10	Sequence 10, Appli	655	4	25.0	243	4	US-09-479-645A-106	Sequence 106, App
583	4	25.0	238	4	US-09-479-645A-12	Sequence 12, Appli	656	4	25.0	243	4	US-09-479-645A-108	Sequence 108, App
584	4	25.0	238	4	US-09-479-645A-159	Sequence 159, App	657	4	25.0	243	4	US-09-479-645A-110	Sequence 110, App
585	4	25.0	238	4	US-09-129-192C-2	Sequence 2, Appli	658	4	25.0	243	4	US-09-479-645A-112	Sequence 112, App
586	4	25.0	238	4	US-09-129-192C-74	Sequence 74, Appli	659	4	25.0	243	4	US-09-479-645A-114	Sequence 114, App
587	4	25.0	238	4	US-09-346-946-32	Sequence 32, Appli	660	4	25.0	243	4	US-09-479-645A-116	Sequence 116, App
588	4	25.0	238	5	PCT-US95-14692-2	Sequence 2, Appli	661	4	25.0	243	4	US-09-479-645A-118	Sequence 118, App
589	4	25.0	239	3	US-08-646-538-2	Sequence 2, Appli	662	4	25.0	243	4	US-09-479-645A-120	Sequence 120, App
590	4	25.0	239	3	US-08-911-825-4	Sequence 4, Appli	663	4	25.0	243	4	US-09-479-645A-122	Sequence 122, App
591	4	25.0	239	3	US-08-974-737-4	Sequence 4, Appli	664	4	25.0	243	4	US-09-479-645A-124	Sequence 124, App
592	4	25.0	239	3	US-08-706-408-4	Sequence 4, Appli	665	4	25.0	243	4	US-09-479-645A-126	Sequence 126, App
593	4	25.0	239	3	US-09-094-359-4	Sequence 4, Appli	666	4	25.0	243	4	US-09-479-645A-128	Sequence 128, App
594	4	25.0	239	3	US-09-094-359-6	Sequence 6, Appli	667	4	25.0	243	4	US-09-479-645A-130	Sequence 130, App
595	4	25.0	239	3	US-09-094-359-8	Sequence 8, Appli	668	4	25.0	243	4	US-09-479-645A-132	Sequence 132, App
596	4	25.0	239	3	US-09-094-359-10	Sequence 10, Appli	669	4	25.0	243	4	US-09-479-645A-134	Sequence 134, App
597	4	25.0	239	3	US-09-172-063-3	Sequence 3, Appli	670	4	25.0	243	4	US-09-479-645A-136	Sequence 136, App
598	4	25.0	239	3	US-09-172-063-4	Sequence 4, Appli	671	4	25.0	243	4	US-09-479-645A-138	Sequence 138, App
599	4	25.0	239	3	US-09-172-063-5	Sequence 5, Appli	672	4	25.0	243	4	US-09-479-645A-140	Sequence 140, App
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601	4	25.0	239	3	US-09-172-063-9	Sequence 9, Appli	674	4	25.0	243	4	US-09-479-645A-144	Sequence 144, App
602	4	25.0	239	3	US-09-172-063-10	Sequence 10, Appli	675	4	25.0	243	4	US-09-479-645A-146	Sequence 146, App
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604	4	25.0	239	3	US-09-503-222-2	Sequence 2, Appli	677	4	25.0	243	4	US-09-479-645A-150	Sequence 150, App
605	4	25.0	239	4	US-09-465-142-4	Sequence 4, Appli	678	4	25.0	243	4	US-09-479-645A-152	Sequence 152, App
606	4	25.0	239	4	US-09-513-783A-44	Sequence 44, Appli	679	4	25.0	243	4	US-09-479-645A-154	Sequence 154, App
607	4	25.0	239	4	US-09-513-783A-46	Sequence 46, Appli	680	4	25.0	243	4	US-09-107-532A-4908	Sequence 4908, Ap
608	4	25.0	239	4	US-09-513-783A-48	Sequence 48, Appli	681	4	25.0	244	4	US-09-532-856-2	Sequence 2, Appli
609	4	25.0	239	4	US-09-513-783A-50	Sequence 50, Appli	682	4	25.0	245	2	US-08-685-992-36	Sequence 26, Appli
610	4	25.0	239	4	US-09-513-783A-52	Sequence 52, Appli	683	4	25.0	245	2	US-09-144-925-26	Sequence 26, Appli
611	4	25.0	239	4	US-09-316-919-4	Sequence 4, Appli	684	4	25.0	245	4	US-09-205-258-369	Sequence 369, App

685	4	25.0	245	4	US-09-252-991A-22586	Sequence 22586, A	758	279	4	US-09-328-352-5314	Sequence 5314, Ap
686	4	25.0	245	4	US-09-252-991A-26491	Sequence 26491, A	759	280	4	US-09-660-587-42	Sequence 42, Appl
687	4	25.0	245	4	US-09-393-634-55	Sequence 55, Appl	760	280	4	US-09-314-701-48	Sequence 48, Appl
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689	4	25.0	247	1	US-08-446-083-5	Sequence 5, Appli	762	281	1	US-08-105-483-214	Sequence 214, App
690	4	25.0	247	3	US-08-893-327-18	Sequence 18, Appl	763	281	1	US-08-709-209-214	Sequence 214, App
691	4	25.0	247	3	US-08-893-327-20	Sequence 20, Appl	764	281	1	US-08-458-101-214	Sequence 214, App
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693	4	25.0	248	4	US-09-198-452A-721	Sequence 721, Appl	766	281	3	US-09-053-702-2	Sequence 2, Appli
694	4	25.0	248	5	PCT-US96-07709-25	Sequence 25, Appl	767	281	4	US-09-364-946-1	Sequence 1, Appli
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696	4	25.0	249	4	US-09-311-784A-16	Sequence 16, Appl	769	281	4	US-09-247-890-10	Sequence 10, Appl
697	4	25.0	249	4	US-09-328-352-4629	Sequence 4629, Ap	770	281	4	US-09-247-890-12	Sequence 12, Appl
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703	4	25.0	255	3	US-09-009-913-9	Sequence 9, Appli	776	282	4	US-09-513-783A-14	Sequence 14, Appl
704	4	25.0	255	3	US-09-094-359-12	Sequence 12, Appl	777	282	4	US-09-051-380-3	Sequence 3, Appli
705	4	25.0	255	3	US-09-094-359-14	Sequence 14, Appl	778	282	4	US-07-959-369-13	Sequence 13, Appl
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707	4	25.0	255	3	US-09-172-063-20	Sequence 20, Appl	780	283	2	US-08-836-854-7	Sequence 7, Appli
708	4	25.0	256	1	US-07-959-369-1	Sequence 1, Appli	781	283	4	US-09-134-001C-5491	Sequence 5491, Ap
709	4	25.0	257	4	US-09-328-352-4324	Sequence 4324, Ap	782	283	4	US-09-585-858-52	Sequence 52, Appl
710	4	25.0	257	4	US-09-328-352-7500	Sequence 7500, Ap	783	283	5	PCT-US93-08528-78	Sequence 78, Appl
711	4	25.0	258	1	US-07-959-369-10	Sequence 10, Appl	784	284	4	US-09-372-448A-4	Sequence 4, Appli
712	4	25.0	261	4	US-09-134-001C-4935	Sequence 4935, Ap	785	284	4	US-09-141-951-1	Sequence 1, Appli
713	4	25.0	261	4	US-09-643-597-346	Sequence 346, App	786	284	4	US-09-328-352-4684	Sequence 4684, Ap
714	4	25.0	261	4	US-09-542-615A-346	Sequence 346, App	787	286	4	US-09-205-258-404	Sequence 404, App
715	4	25.0	261	4	US-09-606-421B-346	Sequence 346, App	788	286	4	US-09-205-258-1063	Sequence 1063, Ap
716	4	25.0	261	4	US-09-252-991A-24007	Sequence 24007, A	789	286	4	US-09-107-532A-4821	Sequence 4821, Ap
717	4	25.0	263	3	US-09-172-063-23	Sequence 23, Appl	790	287	4	US-09-513-783A-8	Sequence 8, Appli
718	4	25.0	263	3	US-09-172-063-24	Sequence 24, Appl	791	288	4	US-09-372-422A-12	Sequence 12, Appl
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720	4	25.0	264	3	US-09-066-046-22	Sequence 22, Appl	793	288	4	US-09-372-422A-18	Sequence 18, Appl
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722	4	25.0	265	3	US-09-172-063-25	Sequence 25, Appl	795	289	4	US-09-252-991A-18098	Sequence 18098, A
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724	4	25.0	265	4	US-09-149-476-497	Sequence 497, App	797	289	4	US-09-372-422A-2	Sequence 2, Appli
725	4	25.0	265	4	US-09-252-991A-24304	Sequence 24304, A	798	289	4	US-09-372-422A-14	Sequence 14, Appl
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727	4	25.0	266	1	US-07-959-369-2	Sequence 2, Appli	800	291	4	US-09-158-452A-269	Sequence 10, Appl
728	4	25.0	268	3	US-08-961-083-140	Sequence 140, App	801	291	4	US-09-513-783A-10	Sequence 159, App
729	4	25.0	268	4	US-09-536-784-140	Sequence 140, App	802	291	4	US-09-643-597-159	Sequence 159, App
730	4	25.0	269	1	US-08-447-554-5	Sequence 5, Appli	803	291	4	US-09-480-884A-159	Sequence 159, App
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733	4	25.0	269	2	US-08-393-996A-17	Sequence 17, Appl	806	291	4	US-09-495-406-7	Sequence 7, Appli
734	4	25.0	270	4	US-09-532-856-7	Sequence 7, Appli	807	291	4	US-09-495-406-9	Sequence 9, Appli
735	4	25.0	270	4	US-09-107-532A-4778	Sequence 4778, Ap	808	291	4	US-09-542-615A-159	Sequence 159, App
736	4	25.0	271	4	US-09-134-001C-4617	Sequence 4617, Ap	809	292	4	US-09-606-421B-159	Sequence 159, App
737	4	25.0	273	4	US-09-051-380-18	Sequence 18, Appl	810	292	4	US-09-372-422A-4	Sequence 4, Appli
738	4	25.0	274	1	US-07-959-369-12	Sequence 12, Appl	811	292	4	US-09-372-422A-10	Sequence 10, Appl
739	4	25.0	274	1	US-08-307-499-19	Sequence 19, Appl	812	292	4	US-09-134-001C-4142	Sequence 16, Appl
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742	4	25.0	274	4	US-09-366-009-25	Sequence 25, Appl	815	294	4	US-09-312-283C-384	Sequence 384, App
743	4	25.0	274	4	US-08-809-158B-25	Sequence 25, Appl	816	294	4	US-09-513-783A-2	Sequence 2, Appli
744	4	25.0	275	2	US-08-392-625-17	Sequence 17, Appl	817	295	1	US-08-411-706-4	Sequence 10, Appl
745	4	25.0	275	2	US-08-466-961A-17	Sequence 17, Appl	818	295	4	US-09-308-003-11	Sequence 11, Appl
746	4	25.0	275	4	US-09-647-224A-26	Sequence 26, Appl	819	295	4	US-09-513-783A-20	Sequence 20, Appl
747	4	25.0	277	1	US-07-959-369-3	Sequence 3, Appli	820	295	4	US-09-328-352-6656	Sequence 6656, Ap
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ALIGNMENTS

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; APPLICANT: Gary L. Breton et al.
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; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: GTC99-03PA
; CURRENT FILING DATE: US/09/328,352
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; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-2155
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; APPLICATION NUMBER: US/08/414,926A
; FILING DATE: March 31, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-494-7622
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
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; APPLICATION NUMBER: US/08/926,922
; FILING DATE: September 10, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 5:
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; LENGTH: 399 amino acids
; TYPE: amino acid
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US-08-926-922-5
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; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/926,922
; FILING DATE: September 10, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-253-682-5

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; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland

STATE: CA
COUNTRY: USA
ZIP: 94610
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SOFTWARE: PatentIn Release #1.0, Version #1.25
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FILING DATE: 17-Mar-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
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US-09-527-657-5

Query Match 37.5%; Score 6; DB 3; Length 399;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
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; Sequence 4171, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
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FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 4171:

SEQUENCE CHARACTERISTICS:

LENGTH: 472 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc feature

LOCATION: (B) LOCATION 1...472

SEQUENCE DESCRIPTION: SEQ ID NO: 4171:

US-09-107-532A-4171

Query Match 37.5%; Score 6; DB 4; Length 472;

Best Local Similarity 100.0%; Pred. No. 12;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GIDFII 11

Db 56 GIDFII 61

RESULT 7

US-08-410-804-5

Sequence 5, Application US/08410804

Patent No. 5632994

GENERAL INFORMATION:

APPLICANT: Reed, John C.

APPLICANT: Sato, Takaaki

TITLE OF INVENTION: PAS ASSOCIATED PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cathryn Campbell

STREET: 4370 La Jolla Village Drive. Ste 700

CITY: San Diego

STATE: California

COUNTRY: United States

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/410,804

FILING DATE: 27-MAR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/259,514

FILING DATE: 14-JUN-1994

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 1389

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 69 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-410-804-5

Query Match 31.2%; Score 5; DB 1; Length 69;

Best Local Similarity 100.0%; Pred. No. 31;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 IDFII 11

Db 58 IDFII 62

RESULT 8

US-08-259-514-5

Sequence 5, Application US/08259514

Patent No. 5747245

GENERAL INFORMATION:

APPLICANT: Reed, John C.

APPLICANT: Sato, Takaaki

TITLE OF INVENTION: PAS ASSOCIATED PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cathryn Campbell

STREET: 4370 La Jolla Village Drive. Ste 700

CITY: San Diego

STATE: California

COUNTRY: United States

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/259,514

FILING DATE: 14-JUN-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9954

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 69 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-259-514-5

Query Match 31.2%; Score 5; DB 1; Length 69;

Best Local Similarity 100.0%; Pred. No. 31;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 IDFII 11

Db 58 IDFII 62

RESULT 9

US-08-858-311-5

Sequence 5, Application US/08858311

Patent No. 5876939

GENERAL INFORMATION:

APPLICANT: Reed, John C.

APPLICANT: Sato, Takaaki

TITLE OF INVENTION: PAS ASSOCIATED PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cathryn Campbell

STREET: 4370 La Jolla Village Drive. Ste 700

CITY: San Diego

STATE: California

COUNTRY: United States

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

US-08-410-804-5

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,311
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/410,804
FILING DATE: 27-MAR-1995
APPLICATION NUMBER: US 08/259,514
FILING DATE: 14-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1389
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-858-311-5

Query Match 31.2%; Score 5; DB 2; Length 69;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFI 11
DB 58 IDFI 62

RESULT 10
US-09-134-001C-5666
Sequence 5666, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5666
LENGTH: 74
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5666

Query Match 31.2%; Score 5; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
DB 40 FIIFW 44

RESULT 11
US-08-529-878B-41
Sequence 41, Application US/08529878B
Patent No. 5932556
GENERAL INFORMATION:
APPLICANT: Tam, Robert C.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: REGULATION OF CD28 EXPRESSION
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish
STREET: 3000 S. Augusta Court
CITY: La Habra
STATE: California
COUNTRY: United States of America
ZIP: 90631
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/529,878B
FILING DATE: 13-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Fish, Robert D.
REGISTRATION NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-525-3433
TELEFAX: 714-525-3303
TELEX:
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 103 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-529-878B-41

Query Match 31.2%; Score 5; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
DB 57 FIIFW 61

RESULT 12
US-09-627-376-17
Sequence 17, Application US/09627376
Patent No. 6342385
GENERAL INFORMATION:
APPLICANT: Qi, Fengxia
TITLE OF INVENTION: MOTACIN I BIOSYNTHESIS GENES AND PROTEINS
FILE REFERENCE: UAB-17402/22
CURRENT APPLICATION NUMBER: US/09/627,376
CURRENT FILING DATE: 2001-05-30
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn version 3.0
SEQ ID NO 17
LENGTH: 118
TYPE: PRT
ORGANISM: Streptococcus mutans.
US-09-627-376-17

Query Match 31.2%; Score 5; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IFWIF 15
DB 14 IFWIF 18

RESULT 13
US-09-134-001C-5232


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; Sequence 5232, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 5232
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5232

Query Match          31.2%; Score 5; DB 4; Length 134;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 IDFI1 11
Db 89 IDFI1 93

RESULT 14
US-09-107-532A-5214
; Sequence 5214, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5214:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
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; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...205
; SEQUENCE DESCRIPTION: SEQ ID NO: 5214:
US-09-107-532A-5214

Query Match          31.2%; Score 5; DB 4; Length 205;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 IIFWI 14
Db 22 IIFWI 26

RESULT 15
US-09-340-620A-65
; Sequence 65, Application US/09340620A
; Patent No. 6482933
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/340,620A
; CURRENT FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-340-620A-65

Query Match          31.2%; Score 5; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FOANC 5
Db 64 FOANC 68

RESULT 16
US-08-228-208A-21
; Sequence 21, Application US/08228208A
; Patent No. 6090914
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Wallace, Philip M.
; TITLE OF INVENTION: CTLA4/CD28ig HYBRID FUSION
; TITLE OF INVENTION: PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Boulevard, Suite 400
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
```

; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,208A
; FILING DATE: 15-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/008,898
; FILING DATE: 22-JAN-1993
; APPLICATION NUMBER: 07/723,617
; FILING DATE: 27-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-30US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310 445-1140
; TELEFAX: 310 445-9031
; TELEX:
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-228-208A-21

Query Match 31.2%; Score 5; DB 3; Length 220;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 FIIFW 13
|||
Db 174 FIIFW 178

RESULT 17
US-08-505-058-5
; Sequence 5, Application US/08505058
; Patent No. 5773253
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Peach, Robert
; TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/505,058
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/228,208
; FILING DATE: 15-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-30US11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140

; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-505-058-5

Query Match 31.2%; Score 5; DB 1; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 FIIFW 13
|||
Db 176 FIIFW 180

RESULT 18
US-08-459-818-25
; Sequence 25, Application US/08459818
; Patent No. 5851795
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FastSeq 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,818
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-459-818-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 FIIFW 13
|||
Db 176 FIIFW 180

RESULT 19
US-08-889-666-25

```
; Sequence 25, Application US/08889666
; Patent No. 5885579
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,666
; FILING DATE: 08-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-9031
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-889-666-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 FIIFW 13
Db 176 FIIFW 180

RESULT 20
US-08-465-078-25
; Sequence 25, Application US/08465078
; Patent No. 5885796
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,776
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
```

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; Sequence 25, Application US/08725776
; Patent No. 5968510
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,776
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-465-078-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 FIIFW 13
Db 176 FIIFW 180

RESULT 21
US-08-725-776-25
; Sequence 25, Application US/08725776
; Patent No. 5968510
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,776
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-725-776-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 IIFW 13

Db 176 IIFW 180

RESULT 22

US-08-488-062-25
Sequence 25, Application US/08488062
Patent No. 5977318
GENERAL INFORMATION:

APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dample, Nitin K.
APPLICANT: Brady, William
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,062
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031

INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-062-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 IIFW 13

Db 176 IIFW 180

RESULT 23

US-09-134-001C-2965
Sequence 2965, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCI
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 2965
LENGTH: 229
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2965

Query Match 31.2%; Score 5; DB 4; Length 229;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 IIFW 14

Db 63 IIFW 67

RESULT 24

US-08-858-207A-420
Sequence 420, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Knowles, David
APPLICANT: Nicholas, Robert
APPLICANT: Stodola, Robert
TITLE OF INVENTION: NO. 6348328e1 Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmi, Edward R
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090

```
;
;
; TELEX:
; INFORMATION FOR SEQ ID NO: 420:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6348328e
US-08-858-207A-420

Query Match          31.2%; Score 5; DB 4; Length 238;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GIDFI 10
        |||||
Db      32 GIDFI 36

RESULT 25
US-09-252-991A-23138
; Sequence 23138, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23138
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23138

Query Match          31.2%; Score 5; DB 4; Length 268;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 IIFWI 14
        |||||
Db      18 IIFWI 22

RESULT 26
US-09-252-991A-23139
; Sequence 23139, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23139
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23139

Query Match          31.2%; Score 5; DB 4; Length 268;
```

```
;
;
; Best Local Similarity 100.0%; Pred. No. 98;
; Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 IIFWI 14
        |||||
Db      18 IIFWI 22

RESULT 27
US-09-188-579-84
; Sequence 84, Application US/09188579B
; Patent No. 6107040
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
; FILE REFERENCE: D6185
; CURRENT APPLICATION NUMBER: US/09/188,579B
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 114
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
US-09-188-579-84

Query Match          31.2%; Score 5; DB 3; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
        |||||
Db      188 IDFII 192

RESULT 28
US-09-315-444-84
; Sequence 84, Application US/09315444A
; Patent No. 6232070
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
; FILE REFERENCE: D6185CIP
; CURRENT APPLICATION NUMBER: US/09/315,444A
; CURRENT FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 09/188,579
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
US-09-315-444-84

Query Match          31.2%; Score 5; DB 3; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
        |||||
Db      188 IDFII 192

RESULT 29
US-09-721-362-84
; Sequence 84, Application US/09721362
; Patent No. 6420163
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
```

```
; FILE REFERENCE: D6185CIP/D
; CURRENT APPLICATION NUMBER: US/09/721,362
; CURRENT FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 09/315,444
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
US-09-721-362-84

Query Match          31.2%; Score 5; DB 4; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFTI 11
   |||||
Db 188 IDFTI 192

RESULT 30
US-09-252-991A-23186
; Sequence 23186, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23186
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23186

Query Match          31.2%; Score 5; DB 4; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 IIFWI 14
   |||||
Db 20 IIFWI 24

RESULT 31
US-08-118-270-79
; Sequence 79, Application US/08118270
; Patent No. 5508384
; GENERAL INFORMATION:
; APPLICANT: Murphy, Randall B.
; APPLICANT: Schuster, David I.
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
US-08-118-270-79
```

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/118,270
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY-2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-118-270-79

Query Match          31.2%; Score 5; DB 1; Length 295;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
   |||||
Db 207 FIIFW 211

RESULT 32
PCT-US93-08528-79
; Sequence 79, Application PC/TUS9308528
; GENERAL INFORMATION:
; APPLICANT: New York University
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08528
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY-2 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid
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```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-08528-79

Query Match      31.2%; Score 5; DB 5; Length 295;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 IFWIF 13
Db 207 IFWIF 211

RESULT 33
US-09-495-406-34
; Sequence 34, Application US/09495406
; Patent No. 6503744
; GENERAL INFORMATION:
; APPLICANT: Gilbert, Michel
; APPLICANT: Wakarchuk, Warren W.
; APPLICANT: National Research Council of Canada
; TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of
; FILE OF INVENTION: Gangliosides and Ganglioside Mimics
; FILE REFERENCE: 019633-000110US
; CURRENT APPLICATION NUMBER: US/09/495,406
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: US 60/118,213
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
; FEATURE:
; OTHER INFORMATION: Campylobacter alpha-2,3-sialyltransferase I (cstI)
; OTHER INFORMATION: from C. jejuni OH4384
US-09-495-406-34

Query Match      31.2%; Score 5; DB 4; Length 322;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDF 9
Db 166 CGIDF 170

RESULT 34
US-09-107-532A-4764
; Sequence 4764, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4764:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 386 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...386
; SEQUENCE DESCRIPTION: SEQ ID NO: 4764:
US-09-107-532A-4764

Query Match      31.2%; Score 5; DB 4; Length 386;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IFWIF 15
Db 153 IFWIF 157

RESULT 35
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
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```
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match          31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 NCGID 8
Db      194 NCGID 198

RESULT 36
US-08-795-445A-2
; Sequence 2, Application US/08795445A
; Patent No. 6284485
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,445A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-445A-2

Query Match          31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 NCGID 8
Db      194 NCGID 198

RESULT 37
US-08-795-447A-2
; Sequence 2, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
```

```
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,447A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-447A-2

Query Match          31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 NCGID 8
Db      194 NCGID 198

RESULT 38
US-08-974-186-2
; Sequence 2, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,186
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
```



```
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-186-2

Query Match          31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          4 NCGID 8
          |||||
Db          194 NCGID 198

RESULT 39
US-08-795-446B-2
; Sequence 2, Application US/08795446B
; Patent No. 6288032
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,446B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-446B-2

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; APPLICANT: Lacey, David
; APPLICANT: Calzone, Frank
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
; FILE REFERENCE: A-378CIP
; CURRENT APPLICATION NUMBER: US/08/706,945D
; CURRENT FILING DATE: 1996-09-03
; PRIOR APPLICATION NUMBER: 08/577,788
; PRIOR FILING DATE: 1995-12-22
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: PatentIn version 3.1
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; TYPE: PRT
; ORGANISM: Rattus rattus
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880	4	25.0	53	10	US-09-764-846-162	Sequence 162, App	953	4	25.0	89	12	US-10-223-371B-4	Sequence 4, Appl
881	4	25.0	53	15	US-10-091-483-162	Sequence 162, App	954	4	25.0	90	9	US-09-764-869-1025	Sequence 1025, App
882	4	25.0	53	15	US-10-091-504-1148	Sequence 1148, App	955	4	25.0	90	15	US-10-091-504-1025	Sequence 1025, App
883	4	25.0	55	9	US-09-864-761-48100	Sequence 48100, A	956	4	25.0	91	12	US-10-029-386-29223	Sequence 29223, A
884	4	25.0	55	10	US-09-764-868-1221	Sequence 1221, App	957	4	25.0	92	11	US-09-764-891-3462	Sequence 3462, App
885	4	25.0	55	11	US-09-764-891-2895	Sequence 2895, App	958	4	25.0	93	10	US-09-981-876-167	Sequence 167, App
886	4	25.0	58	15	US-10-106-698-5705	Sequence 5705, App	959	4	25.0	93	11	US-09-148-545-167	Sequence 167, App
887	4	25.0	59	9	US-09-867-550-1572	Sequence 1572, App	960	4	25.0	94	11	US-09-981-876-228	Sequence 228, App
888	4	25.0	59	10	US-09-764-877-1783	Sequence 1783, App	961	4	25.0	94	10	US-09-981-876-229	Sequence 229, App
889	4	25.0	60	9	US-09-864-761-38078	Sequence 38078, App	962	4	25.0	94	11	US-09-148-545-228	Sequence 228, App
890	4	25.0	61	15	US-10-106-698-5073	Sequence 5073, App	963	4	25.0	94	11	US-09-148-545-229	Sequence 229, App
891	4	25.0	63	9	US-09-864-761-45117	Sequence 45117, A	964	4	25.0	95	10	US-09-764-873-18	Sequence 18, Appl


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965 4 25.0 95 14 US-10-002-344A-167
966 4 25.0 95 15 US-10-079-900-18
967 4 25.0 96 9 US-09-764-869-927
968 4 25.0 96 11 US-09-764-891-4819
969 4 25.0 96 15 US-10-572-374
970 4 25.0 96 15 US-10-091-504-927
971 4 25.0 97 9 US-09-852-137-2
972 4 25.0 97 9 US-09-925-299-775
973 4 25.0 97 10 US-09-738-626-5971
974 4 25.0 97 10 US-09-796-692-869
975 4 25.0 97 11 US-09-525-299-775
976 4 25.0 97 12 US-10-029-386-30813
977 4 25.0 97 15 US-10-040-862-869
978 4 25.0 98 9 US-09-729-674-24
979 4 25.0 98 9 US-09-764-887-280
980 4 25.0 98 10 US-09-967-552A-48
981 4 25.0 98 15 US-10-073-961-280
982 4 25.0 99 10 US-09-764-877-1497
983 4 25.0 102 10 US-09-764-877-1421
984 4 25.0 105 10 US-09-764-864-1274
985 4 25.0 105 11 US-09-510-332-97
986 4 25.0 106 9 US-09-867-550-1812
987 4 25.0 106 11 US-09-820-843A-30
988 4 25.0 106 12 US-10-231-417-354
989 4 25.0 107 9 US-09-205-658-122
990 4 25.0 107 10 US-09-764-877-1551
991 4 25.0 107 12 US-09-963-693-122
992 4 25.0 107 12 US-10-339-740-4
993 4 25.0 107 15 US-10-106-698-4481
994 4 25.0 111 9 US-09-925-299-790
995 4 25.0 111 11 US-09-925-299-790
996 4 25.0 111 12 US-10-092-947A-51
997 4 25.0 111 12 US-10-092-947A-53
998 4 25.0 111 13 US-10-010-901-23
999 4 25.0 112 11 US-09-820-843A-78
1000 4 25.0 112 12 US-10-372-098-6
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ALIGNMENTS

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RESULT 1
US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-587

Query Match 100.0%; Score 16; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.3e-11;

Sequence 167, App
Sequence 18, Appl
Sequence 927, App
Sequence 4819, App
Sequence 374, App
Sequence 927, App
Sequence 2, Appl
Sequence 775, App
Sequence 5971, App
Sequence 869, App
Sequence 775, App
Sequence 30813, App
Sequence 869, App
Sequence 24, Appl
Sequence 280, App
Sequence 48, Appl
Sequence 280, App
Sequence 1497, App
Sequence 1421, App
Sequence 1274, App
Sequence 97, Appl
Sequence 1812, App
Sequence 30, Appl
Sequence 354, App
Sequence 122, App
Sequence 1551, App
Sequence 122, App
Sequence 4, Appl
Sequence 481, App
Sequence 790, App
Sequence 790, App
Sequence 51, Appl
Sequence 53, Appl
Sequence 23, Appl
Sequence 78, Appl
Sequence 6, Appl

RESULT 2
US-09-854-133-587
; Sequence 587, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-587

Query Match 100.0%; Score 16; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.3e-11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 167, App
Sequence 18, Appl
Sequence 927, App
Sequence 4819, App
Sequence 374, App
Sequence 927, App
Sequence 2, Appl
Sequence 775, App
Sequence 5971, App
Sequence 869, App
Sequence 775, App
Sequence 30813, App
Sequence 869, App
Sequence 24, Appl
Sequence 280, App
Sequence 48, Appl
Sequence 280, App
Sequence 1497, App
Sequence 1421, App
Sequence 1274, App
Sequence 97, Appl
Sequence 1812, App
Sequence 30, Appl
Sequence 354, App
Sequence 122, App
Sequence 1551, App
Sequence 122, App
Sequence 4, Appl
Sequence 481, App
Sequence 790, App
Sequence 790, App
Sequence 51, Appl
Sequence 53, Appl
Sequence 23, Appl
Sequence 78, Appl
Sequence 6, Appl

RESULT 3
US-10-144-649A-587
; Sequence 587, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-587

Query Match 100.0%; Score 16; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.3e-11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 167, App
Sequence 18, Appl
Sequence 927, App
Sequence 4819, App
Sequence 374, App
Sequence 927, App
Sequence 2, Appl
Sequence 775, App
Sequence 5971, App
Sequence 869, App
Sequence 775, App
Sequence 30813, App
Sequence 869, App
Sequence 24, Appl
Sequence 280, App
Sequence 48, Appl
Sequence 280, App
Sequence 1497, App
Sequence 1421, App
Sequence 1274, App
Sequence 97, Appl
Sequence 1812, App
Sequence 30, Appl
Sequence 354, App
Sequence 122, App
Sequence 1551, App
Sequence 122, App
Sequence 4, Appl
Sequence 481, App
Sequence 790, App
Sequence 790, App
Sequence 51, Appl
Sequence 53, Appl
Sequence 23, Appl
Sequence 78, Appl
Sequence 6, Appl

RESULT 4
US-09-738-973-586
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; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586

Query Match      100.0%; Score 16; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FOANGCIDFIIFWIFW 16
Db      35 FOANGCIDFIIFWIFW 50

RESULT 5
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

Query Match      100.0%; Score 16; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FOANGCIDFIIFWIFW 16
Db      35 FOANGCIDFIIFWIFW 50

RESULT 6
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

Query Match      100.0%; Score 16; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FOANGCIDFIIFWIFW 16
Db      35 FOANGCIDFIIFWIFW 50

RESULT 7
US-10-144-649A-742
; Sequence 742, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742

Query Match      100.0%; Score 16; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.7e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 FOANGCIDFIIFWIFW 16
Db      52 FOANGCIDFIIFWIFW 67

RESULT 8
US-10-315-515-39
; Sequence 39, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
```

```

; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-39

Query Match
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CGIDFI 10
DB 75 CGIDFI 80

RESULT 9
US-10-315-515-44
; Sequence 44, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-315-515-44

Query Match
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CGIDFI 10
DB 75 CGIDFI 80

RESULT 10
US-10-315-515-35
; Sequence 35, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-35

Query Match
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CGIDFI 10
DB 81 CGIDFI 86

RESULT 11
US-10-315-515-34
; Sequence 34, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-34

Query Match
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CGIDFI 10
DB 81 CGIDFI 86

RESULT 12
US-10-315-515-36
; Sequence 36, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-36

Query Match
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CGIDFI 10
DB 81 CGIDFI 86

RESULT 13
US-10-315-515-37
; Sequence 37, Application US/10315515
; Publication No. US20030166190A1

```

```
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-37

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDFI 10
Db      81 CGIDFI 86

RESULT 14
US-10-315-515-40
; Sequence 40, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-40

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDFI 10
Db      81 CGIDFI 86

US-10-315-515-41
; Sequence 41, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Pisum sativum
US-10-315-515-43

Query Match      37.5%; Score 6; DB 12; Length 105;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-41

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDFI 10
Db      81 CGIDFI 86

RESULT 16
US-10-315-515-42
; Sequence 42, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-42

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDFI 10
Db      81 CGIDFI 86

RESULT 17
US-10-315-515-43
; Sequence 43, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Pisum sativum
US-10-315-515-43

Query Match      37.5%; Score 6; DB 12; Length 105;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 5 CGIDFI 10
 |||||
 Db 90 CGIDFI 95

RESULT 18

US-10-315-515-38
 ; Sequence 38, Application US/10315515
 ; Publication No. US20030166190A1

GENERAL INFORMATION:

; APPLICANT: Wright, David A.
 ; APPLICANT: Voytas, Daniel F.
 ; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
 ; TITLE OF INVENTION: RETROELEMENTS
 ; FILE REFERENCE: 08411-031001
 ; CURRENT APPLICATION NUMBER: US/10/315,515
 ; CURRENT FILING DATE: 2002-12-10
 ; PRIOR APPLICATION NUMBER: US 60/339,060
 ; PRIOR FILING DATE: 2001-12-10
 ; NUMBER OF SEQ ID NOS: 168
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 38
 ; LENGTH: 106
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; US-10-315-515-38

Query Match 37.5%; Score 6; DB 12; Length 106;
 Best Local Similarity 100.0%; Pred. No. 12;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDFI 10
 |||||
 Db 91 CGIDFI 96

RESULT 19

US-09-820-843A-43
 ; Sequence 43, Application US/09820843A
 ; Publication No. US20030039963A1

GENERAL INFORMATION:

; APPLICANT: Council of Scientific and Industrial Research
 ; TITLE OF INVENTION: A COMPUTATIONAL METHOD FOR THE IDENTIFICATION OF CANDIDATE PROTEI
 ; TITLE OF INVENTION: USEFUL AS ANTI-INFECTIVES
 ; FILE REFERENCE: Q63915
 ; CURRENT APPLICATION NUMBER: US/09/820,843A
 ; CURRENT FILING DATE: 2001-03-30
 ; NUMBER OF SEQ ID NOS: 118
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 43
 ; LENGTH: 41
 ; TYPE: PRT
 ; ORGANISM: C. jejuni

FEATURE:

; NAME/KEY: misc feature
 ; OTHER INFORMATION: hypothetical protein Cj0344
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: gi|6967819
 ; US-09-820-843A-43

Query Match 31.2%; Score 5; DB 11; Length 41;
 Best Local Similarity 100.0%; Pred. No. 66;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 DFIIIF 12
 |||||
 Db 10 DFIIIF 14

RESULT 20

US-09-864-761-39223
 ; Sequence 39223, Application US/09864761
 ; Patent No. US20020048763A1

GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; FILE REFERENCE: Reomica-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: US 09/774,203
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117
 ; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 39223
 ; LENGTH: 44
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC006504.1
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.8
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.9
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.4
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.3
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.6
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3
 ; OTHER INFORMATION: SWISSPROT HIT: C00507, EVALU 4.00e-03
 ; US-09-864-761-39223

Query Match 31.2%; Score 5; DB 9; Length 44;
 Best Local Similarity 100.0%; Pred. No. 70;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GIDFI 10

|||||

Db 9 GIDFI 13

;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/246,691
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/235,836
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/249,218
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,208
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,213
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,212
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,207
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,245
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,244
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,217
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,211
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,215
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,297
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/232,400
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/231,242
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/232,081
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/232,080
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/231,414
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/231,244
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/233,064
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/233,063

;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,397
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,399
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,401
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/241,808
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,826
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,786
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 31.2%; Score 5; DB 15; Length 67;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 DFIIF 12
Db 32 DFIIF 36

RESULT 23
US-10-102-806-693
; Sequence 693, Application US/10102806
; Publication No. US2003005421A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 693
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-102-806-693

Query Match 31.2%; Score 5; DB 15; Length 68;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 DFIIF 12
Db 47 DFIIF 51

RESULT 24
US-09-764-891-3247
; Sequence 3247, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper

```

; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3247
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (70)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-3247

Query Match          31.2%; Score 5; DB 11; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 QANCG 6
        |||||
Db       6 QANCG 10

RESULT 25
US-10-434-588-43
; Sequence 43, Application US/10434588
; Publication No. US20030171557A1
; GENERAL INFORMATION:
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL SERINE-THREONINE KINASE GENE
; FILE REFERENCE: 06501-033002
; CURRENT APPLICATION NUMBER: US/10/434,588
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: US/09/563,997
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/JP97/04855
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP 8-357864
; PRIOR FILING DATE: 1996-12-27
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetically generated peptide
US-10-434-588-43

Query Match          31.2%; Score 5; DB 12; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 FWIFW 16
        |||||
Db       51 FWIFW 55

RESULT 26
US-10-315-515-46
; Sequence 46, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 46
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-46

Query Match          31.2%; Score 5; DB 12; Length 93;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDF 9
        |||||
Db       81 CGIDF 85

RESULT 27
US-09-764-891-3077
; Sequence 3077, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3077
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-891-3077

Query Match          31.2%; Score 5; DB 11; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFTI 11
        |||||
Db       31 IDFTI 35

RESULT 28
US-10-047-676A-17
; Sequence 17, Application US/10047676A
; Publication No. US20020123105A1
; GENERAL INFORMATION:
; APPLICANT: Qi, Fengxia
; APPLICANT: Caulfield, Page W.
; APPLICANT: Chen, Ping W.
; TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS
; FILE REFERENCE: UAB-17403/22
; CURRENT APPLICATION NUMBER: US/10/047,676A
; CURRENT FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 09/627,376
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-047-676A-17

Query Match          31.2%; Score 5; DB 14; Length 118;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 IFWIF 15
        |||||
Db       14 IFWIF 18
```


RESULT 29

US-09-738-626-4531
 ; Sequence 4531, Application US/09738626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAWA, SATOSHI
 ; APPLICANT: MIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SEIKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, NAOKO
 ; APPLICANT: SENOH, AKIHIRO
 ; APPLICANT: IKEDA, MASATO
 ; APPLICANT: OZAKI, AKIO
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-125
 ; CURRENT APPLICATION NUMBER: US/09/738,626
 ; CURRENT FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: JP 99/377484
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: JP 00/159162
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: JP 00/280988
 ; PRIOR FILING DATE: 2000-08-03
 ; NUMBER OF SEQ ID NOS: 7059
 ; SOFTWARE: Patent in ver. 3.0
 ; SEQ ID NO 4531
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Corynebacterium glutamicum
 US-09-738-626-4531

Query Match 31.2%; Score 5; DB 10; Length 166;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
 |||||
 Db 141 GIDFI 145

RESULT 30

US-09-746-660A-94
 ; Sequence 94, Application US/09746660A
 ; Publication No. US20030049804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Pompejus, Markus
 ; APPLICANT: Kroger, Burkhard
 ; APPLICANT: Schroder, Hartwig
 ; APPLICANT: Zelder, Oskar
 ; APPLICANT: Haberhauer, Gregor
 ; APPLICANT: Kim, Jun-Won
 ; APPLICANT: Lee, Heung-Schick
 ; APPLICANT: Hwang, Byung-Joon
 ; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
 ; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
 ; FILE REFERENCE: BGI-121CP2
 ; CURRENT APPLICATION NUMBER: US/09/746,660A
 ; CURRENT FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 09/606740
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 09/603124
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 60/141031
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 60/142101
 ; PRIOR FILING DATE: 1999-07-02
 ; PRIOR APPLICATION NUMBER: 60/148613
 ; PRIOR FILING DATE: 1999-08-12
 ; PRIOR APPLICATION NUMBER: 60/187970
 ; PRIOR FILING DATE: 2000-03-09

Query Match 31.2%; Score 5; DB 10; Length 166;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
 |||||
 Db 141 GIDFI 145

US-09-746-660A-94
 ; Sequence 94, Application US/09746660A
 ; Publication No. US20030049804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Pompejus, Markus
 ; APPLICANT: Kroger, Burkhard
 ; APPLICANT: Schroder, Hartwig
 ; APPLICANT: Zelder, Oskar
 ; APPLICANT: Haberhauer, Gregor
 ; APPLICANT: Kim, Jun-Won
 ; APPLICANT: Lee, Heung-Schick
 ; APPLICANT: Hwang, Byung-Joon
 ; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
 ; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
 ; FILE REFERENCE: BGI-121CP2
 ; CURRENT APPLICATION NUMBER: US/09/746,660A
 ; CURRENT FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 09/606740
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 09/603124
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 60/141031
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 60/142101
 ; PRIOR FILING DATE: 1999-07-02
 ; PRIOR APPLICATION NUMBER: 60/148613
 ; PRIOR FILING DATE: 1999-08-12
 ; PRIOR APPLICATION NUMBER: 60/187970
 ; PRIOR FILING DATE: 2000-03-09
 ; NUMBER OF SEQ ID NOS: 125
 ; SOFTWARE: Patent In Vers. 2.0
 ; SEQ ID NO 94
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Corynebacterium glutamicum
 US-09-746-660A-94

Query Match 31.2%; Score 5; DB 11; Length 166;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
 |||||
 Db 141 GIDFI 145

RESULT 31

US-09-746-660A-96
 ; Sequence 96, Application US/09746660A
 ; Publication No. US20030049804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Pompejus, Markus
 ; APPLICANT: Kroger, Burkhard
 ; APPLICANT: Schroder, Hartwig
 ; APPLICANT: Zelder, Oskar
 ; APPLICANT: Haberhauer, Gregor
 ; APPLICANT: Kim, Jun-Won
 ; APPLICANT: Lee, Heung-Schick
 ; APPLICANT: Hwang, Byung-Joon
 ; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
 ; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
 ; FILE REFERENCE: BGI-121CP2
 ; CURRENT APPLICATION NUMBER: US/09/746,660A
 ; CURRENT FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 09/606740
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 09/603124
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: 60/141031
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 60/142101
 ; PRIOR FILING DATE: 1999-07-02
 ; PRIOR APPLICATION NUMBER: 60/148613
 ; PRIOR FILING DATE: 1999-08-12
 ; PRIOR APPLICATION NUMBER: 60/187970
 ; PRIOR FILING DATE: 2000-03-09
 ; NUMBER OF SEQ ID NOS: 125
 ; SOFTWARE: Patent In Vers. 2.0
 ; SEQ ID NO 96
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Corynebacterium glutamicum
 US-09-746-660A-96

Query Match 31.2%; Score 5; DB 11; Length 166;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
 |||||
 Db 141 GIDFI 145

RESULT 32

US-09-791-279-200
 ; Sequence 200, Application US/09791279
 ; Publication No. US20030050456A1
 ; GENERAL INFORMATION:

APPLICANT: Vogeli, Gabriel
APPLICANT: Wood, Linda S.
APPLICANT: Paretti, Luis
APPLICANT: Lind, Peter
TITLE OF INVENTION: No. US20030050456A1el G Protein-Coupled Receptors
FILE REFERENCE: 00048.US1
CURRENT APPLICATION NUMBER: US/09/791,279
CURRENT FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,715
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,725
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,712
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,606
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,602
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,604
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,822
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,710
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,689
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,690
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/184,716
PRIOR FILING DATE: 2000-02-24
NUMBER OF SEQ ID NOS: 220
SOFTWARE: PatentIn version 3.0
SEQ ID NO 200
LENGTH: 198
TYPE: PRT
ORGANISM: Homo sapiens
US-09-791-279-200

Query Match 31.2%; Score 5; DB 11; Length 198;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIFW 13
DB 119 FIFW 123

RESULT 33
US-10-183-116-107
Sequence 107, Application US/10183116
Publication No. US20030092035A1
GENERAL INFORMATION:
APPLICANT: Anderson, David J.
APPLICANT: Dong, Xinzhong
APPLICANT: Zylka, Mark
APPLICANT: Han, Sang-kyou
APPLICANT: Simon, Melvin
TITLE OF INVENTION: PAIN SIGNALING MOLECULES
FILE REFERENCE: CALTE.4C1CP1
CURRENT APPLICATION NUMBER: US/10/183,116
CURRENT FILING DATE: 2002-06-26
PRIOR APPLICATION NUMBER: US 60/222,344
PRIOR FILING DATE: 2000-08-01
PRIOR APPLICATION NUMBER: US 60/202,027
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: US 09/704,707
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: US 60/285,493
PRIOR FILING DATE: 2001-04-19
PRIOR APPLICATION NUMBER: US 09/849,869
PRIOR FILING DATE: 2001-05-04
NUMBER OF SEQ ID NOS: 109
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 107
LENGTH: 198
TYPE: PRT
ORGANISM: Mus musculus
US-10-183-116-107
Query Match 31.2%; Score 5; DB 15; Length 198;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFII 11
DB 145 IDFII 149

RESULT 34
US-10-183-116-103
Sequence 103, Application US/10183116
Publication No. US20030092035A1
GENERAL INFORMATION:
APPLICANT: Anderson, David J.
APPLICANT: Dong, Xinzhong
APPLICANT: Zylka, Mark
APPLICANT: Simon, Melvin
APPLICANT: Han, Sang-kyou
TITLE OF INVENTION: PAIN SIGNALING MOLECULES
FILE REFERENCE: CALTE.4C1CP1
CURRENT APPLICATION NUMBER: US/10/183,116
CURRENT FILING DATE: 2002-06-26
PRIOR APPLICATION NUMBER: US 60/222,344
PRIOR FILING DATE: 2000-08-01
PRIOR APPLICATION NUMBER: US 60/202,027
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: US 09/704,707
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: US 60/285,493
PRIOR FILING DATE: 2001-04-19
PRIOR APPLICATION NUMBER: US 09/849,869
PRIOR FILING DATE: 2001-05-04
NUMBER OF SEQ ID NOS: 109
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 103
LENGTH: 206
TYPE: PRT
ORGANISM: Mus musculus
US-10-183-116-103

Query Match 31.2%; Score 5; DB 15; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFII 11
DB 104 IDFII 108

RESULT 35
US-10-183-116-101
Sequence 101, Application US/10183116
Publication No. US20030092035A1
GENERAL INFORMATION:
APPLICANT: Anderson, David J.
APPLICANT: Dong, Xinzhong
APPLICANT: Zylka, Mark
APPLICANT: Simon, Melvin
APPLICANT: Han, Sang-kyou
TITLE OF INVENTION: PAIN SIGNALING MOLECULES
FILE REFERENCE: CALTE.4C1CP1
CURRENT APPLICATION NUMBER: US/10/183,116
CURRENT FILING DATE: 2002-06-26
PRIOR APPLICATION NUMBER: US 60/222,344
PRIOR FILING DATE: 2000-08-01
PRIOR APPLICATION NUMBER: US 60/202,027

; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 09/704,707
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/295,493
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/849,869
; PRIOR FILING DATE: 2001-05-04
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-183-116-101

Query Match 31.2%; Score 5; DB 15; Length 207;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFI 11
Db 144 IDFI 148

RESULT 36
US-09-728-721-65
; Sequence 65, Application US/09728721
; Publication No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-728-721-65

Query Match 31.2%; Score 5; DB 9; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FQANC 5
Db 64 FQANC 68

RESULT 37
US-10-436-826-69
; Sequence 69, Application US/10436826
; Publication No. US20030187224A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Wooden, Scott
; TITLE OF INVENTION: Chimeric OPG Polypeptides
; FILE REFERENCE: 06943.0034-01000
; CURRENT APPLICATION NUMBER: US/10/436,826
; CURRENT FILING DATE: 2003-05-12
; PRIOR APPLICATION NUMBER: 08/850,188
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 88

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 69
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-10-436-826-69

Query Match 31.2%; Score 5; DB 12; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 NCGID 8
Db 1 NCGID 5

RESULT 38
US-10-295-981-65
; Sequence 65, Application US/10295981
; Publication No. US20030120055A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/10/295,981
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-10-295-981-65

Query Match 31.2%; Score 5; DB 15; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FQANC 5
Db 64 FQANC 68

RESULT 39
US-09-747-155-47
; Sequence 47, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Glorzi, Dominique
; TITLE OF INVENTION: No. US20020151692A1 Polypeptides and Nucleic Acids Encoding S
; FILE REFERENCE: 19904-008 (C00956834US)
; CURRENT APPLICATION NUMBER: US/09/747,155
; CURRENT FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; PRIOR FILING DATE: 1999-12-22
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 47
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Gorilla gorilla
; FEATURE:

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; NAME/KEY: misc_feature
; LOCATION: (1)..(649)
; OTHER INFORMATION: Taxon = 9593; gene = GGO19; Accession DDBJ/EMBL/GenBank = AF12784
US-09-747-155-47

Query Match      31.2%; Score 5; DB 10; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 FIIFW 13
      |||||
DB      83 FIIFW 87

RESULT 40
US-09-747-155-51
; Sequence 51, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorgi, Dominique
; TITLE OF INVENTION: No. US20020151692A1el Polypeptides and Nucleic Acids Encoding Sam
; FILE REFERENCE: 19904-008 (C009B6834US)
; CURRENT APPLICATION NUMBER: US/09747,155
; CURRENT FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; PRIOR FILING DATE: 1999-12-22
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 51
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Gorilla gorilla
; FEATURES:
; NAME/KEY: misc_feature
; LOCATION: (1)..(649)
; OTHER INFORMATION: Taxon = 9593; gene = GGO3; Accession DDBJ/EMBL/GenBank = AF12784
US-09-747-155-51

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Query Match      31.2%; Score 5; DB 10; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      9 FIIFW 13
      |||||
DB      83 FIIFW 87

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Search completed: October 28, 2003, 17:29:06
Job time : 48.7434 secs

GenCore version 5.1.4 p5.4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 14:25:24 ; Search time 8.77876 Seconds
(without alignments)
558.943 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 PQANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	59	60.2	17656	4	US-09-433-579-3
C 2	53	54.1	40000	4	US-09-780-049-18
C 3	48	49.0	4673	1	US-07-638-431-1
C 4	48	49.0	4673	5	PCT-US92-00018-1
C 5	46	46.9	66	3	US-09-046-247-138
C 6	46	46.9	4370	4	US-08-981-527A-20
C 7	45	45.9	885	3	US-08-545-196B-20
C 8	45	45.9	1725	1	US-08-257-073-14
C 9	45	45.9	2435	4	US-09-484-970B-134
C 10	45	45.9	3719	1	US-08-920-812-10
C 11	45	45.9	3719	1	US-08-920-827-10
C 12	45	45.9	3719	1	US-08-921-177-10

C 13	45	45.9	3719	1	US-08-362-577C-10	Sequence 10, Appl
C 14	45	45.9	3719	2	US-08-920-828-10	Sequence 10, Appl
C 15	45	45.9	6810	4	US-09-596-824-5	Sequence 5, Appli
C 16	45	45.9	4718	2	US-08-962-284-1	Sequence 1, Appli
C 17	44	44.9	840	5	PCT-US91-08177-12	Sequence 12, Appl
C 18	44	44.9	1001	4	US-09-641-638-461	Sequence 461, App
C 19	44	44.9	1725	4	US-09-134-001C-545	Sequence 545, App
C 20	44	44.9	1899	4	US-08-965-762-12	Sequence 12, Appl
C 21	44	44.9	6131	1	US-07-732-242-8	Sequence 8, Appli
C 22	44	44.9	7152	4	US-09-167-881-29	Sequence 29, Appl
C 23	44	44.9	7323	5	PCT-US91-08177-1	Sequence 1, Appli
C 24	43	43.9	630	4	US-09-328-111-121	Sequence 121, App
C 25	43	43.9	876	4	US-08-446-137B-3	Sequence 3, Appli
C 26	43	43.9	2088	1	US-08-332-838-1	Sequence 1, Appli
C 27	43	43.9	2189	3	US-08-846-020A-1	Sequence 1, Appli
C 28	43	43.9	2189	4	US-09-617-871-1	Sequence 1, Appli
C 29	43	43.9	3279	4	US-08-446-137B-1	Sequence 1, Appli
C 30	43	43.9	3387	1	US-08-468-557-1	Sequence 1, Appli
C 31	43	43.9	11443	4	US-08-961-527-49	Sequence 49, Appl
C 32	43	43.9	62804	4	US-09-800-960-3	Sequence 3, Appli
C 33	42.5	43.4	338	4	US-09-635-192A-158	Sequence 158, App
C 34	42.5	43.4	1814	2	US-08-483-151-1	Sequence 1, Appli
C 35	42.5	43.4	1814	5	PCT-US96-06427-1	Sequence 1, Appli
C 36	42.5	43.4	5099	1	US-08-487-890A-4	Sequence 4, Appli
C 37	42.5	43.4	5099	2	US-08-478-435-4	Sequence 4, Appli
C 38	42.5	43.4	5099	2	US-08-337-483-4	Sequence 4, Appli
C 39	42.5	43.4	5099	3	US-08-478-373-4	Sequence 4, Appli
C 40	42.5	43.4	5099	3	US-08-474-671-4	Sequence 4, Appli
C 41	42.5	43.4	5099	3	US-08-483-577A-4	Sequence 4, Appli
C 42	42.5	43.4	5099	4	US-08-897-438-4	Sequence 4, Appli
C 43	42.5	43.4	5099	4	US-08-637-654-4	Sequence 4, Appli
C 44	42.5	43.4	5099	4	US-08-649-518-4	Sequence 4, Appli
C 45	42	42.9	830	4	US-08-998-416-419	Sequence 419, App

ALIGNMENTS

RESULT 1
US-09-433-579-3/c
; Sequence 3, Application US/09433579
; Patent No. 6444877
; GENERAL INFORMATION:
; APPLICANT: Rottmann, William H.
; TITLE OF INVENTION: LSAG Gene
; FILE REFERENCE: LSAG Gene
; CURRENT APPLICATION NUMBER: US/09/433,579
; CURRENT FILING DATE: 1999-11-04
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 17656
; TYPE: DNA
; ORGANISM: Liquidambar styraciflua
US-09-433-579-3

Alignment Scores:
Pred. No.: 13.7
Score: 59.00
Percent Similarity: 44.00%
Best Local Similarity: 44.00%
Query Match: 60.20%
DB: 4
Length: 17656
Matches: 11
Conservative: 0
Mismatch: 2
Indels: 12
Gaps: 1

US-09-854-133-587 (1-16) x US-09-433-579-3 (1-17656)

Qy 4 AsnCysGlyIle-----AspPheIle 11
Db 2548 AATGGGGATCTCCATCACCAGATCCCATCATCTTTTCTTCGATTTTATT 2489
Qy 12 PheTrpIlePheTrp 16
Db 2488 TTTTGGTTTTTTGG 2474

RESULT 2

US-09-780-049-18
; Sequence 18, Application US/09780049
; Patent No. 6465250
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTIGENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT
; TITLE OF INVENTION: EXPRESSION

FILE REFERENCE: RTS-0134
CURRENT APPLICATION NUMBER: US/09/780,049
CURRENT FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 96

SEQ ID NO 18

LENGTH: 40000

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

US-09-780-049-18

Alignment Scores:

Pred. No.:	322	Length:	40000
Score:	53.00	Matches:	7
Percent Similarity:	80.00%	Conservative:	5
Best Local Similarity:	46.67%	Mismatches:	3
Query Match:	54.08%	Indels:	0
DB:	4	Gaps:	0

US-09-854-133-587 (1-16) x US-09-780-049-18 (1-40000)

QY 2 GlnAlaAsnCysGlyIleAspPheIlePheTrp 16

Db 16687 CAAACACAGTGTGCTACTATTACATCTTTTCTTTTGG 16731

RESULT 3

US-07-638-431-1/c
; Sequence 1, Application US/07638431
; Patent No. 5198535
; GENERAL INFORMATION:
; APPLICANT: Hoffman, Stephen L.
; APPLICANT: Charoenvit, Yupin
; APPLICANT: Hedstrom, Richard
; APPLICANT: Khumsmith, Srisin
; APPLICANT: Rogers IV, William O.
; TITLE OF INVENTION: Protective malaria sporozoite surface protein
; TITLE OF INVENTION: immunogen and gene

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: A. David Spevack

STREET: NMRDC Building 1 T-12 National Naval

STREET: Medical Center

CITY: Bethesda

STATE: MD

COUNTRY: USA

ZIP: 20814-5044

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/638,431

FILING DATE: 19910110

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Spevack, Avram D.

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 295-6759

TELEFAX: (301) 295-4033

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4673 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
ORIGINAL SOURCE:
ORGANISM: Plasmodium yoelii
STRAIN: 17X (NL)
DEVELOPMENTAL STAGE: erythrocytic stage
TISSUE TYPE: Blood
CELL TYPE: erythrocytic stage
IMMEDIATE SOURCE:
LIBRARY: Py-lambda gtl1-2-7 kb genomic expression
CLONE: Py10.l111
FEATURE:
NAME/KEY: CDS
LOCATION: 718..3195
OTHER INFORMATION:
US-07-638-431-1

Alignment Scores:

Pred. No.:	184	Length:	4673
Score:	48.00	Matches:	6
Percent Similarity:	100.00%	Conservative:	2
Best Local Similarity:	75.00%	Mismatches:	0
Query Match:	48.98%	Indels:	0
DB:	1	Gaps:	0

US-09-854-133-587 (1-16) x US-07-638-431-1 (1-4673)

QY 9 PheIleIlePheTrpIlePheTrp 16

Db 2601 TTCAATTATCTCTGGTTATTGG 2578

RESULT 4

PCT-US92-00018-1/c

; Sequence 1, Application PC/TUS9200018

; GENERAL INFORMATION:

APPLICANT: Hoffman, Stephen L.

APPLICANT: Charoenvit, Yupin

APPLICANT: Hedstrom, Richard

APPLICANT: Khumsmith, Srisin

APPLICANT: Rogers IV, William O.

TITLE OF INVENTION: Protective malaria sporozoite surface protein

TITLE OF INVENTION: immunogen and gene encoding

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: A. David Spevack

STREET: NMRDC Building 1 T-12 National Naval

STREET: Medical Center

CITY: Bethesda

STATE: MD

COUNTRY: USA

ZIP: 20814-5044

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/00018

FILING DATE: 19920103

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Spevack, Avram D.

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 295-6759

TELEFAX: (301) 295-4033

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4673 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double

```

;
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium yoelii
; STRAIN: 17X(INL)
; DEVELOPMENTAL STAGE: erythrocytic stage
; TISSUE TYPE: Blood
; CELL TYPE: erythrocytic stage
; IMMEDIATE SOURCE:
; LIBRARY: PY-lambda gtl1-2-7 kb genomic expression
; CLONE: Py10.1111
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 718..3195
; OTHER INFORMATION:
; PCT-US92-00018-1
;
; Alignment Scores:
; Pred. No.: 184 Length: 4673
; Score: 48.00 Matches: 6
; Percent Similarity: 100.00% Conservative: 2
; Best Local Similarity: 75.00% Mismatches: 0
; Query Match: 48.98% Indels: 0
; DB: 5 Gaps: 0
;
; US-09-854-133-587 (1-16) x PCT-US92-00018-1 (1-4673)
;
; QY 9 PheillelePheTrpPheTrp 16
; |||||
; DB 2601 TTCATTATCTCTGGTTATTGG 2578
;
; RESULT 5
; US-09-046-247-138
; Sequence 138, Application US/09046247
; Patent No. 6124449
; GENERAL INFORMATION:
; APPLICANT: NIXOS PAGRATIS
; APPLICANT: LARRY GOLD
; TITLE OF INVENTION: HIGH AFFINITY TGF? NUCLEIC
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson and Bratschun, L.L.C.
; STREET: 8400 East Prentice Avenue, Suite #200
; CITY: Denver
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Word 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/046,247
; FILING DATE: 23-MARCH-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/458,424
; FILING DATE: 2-JUNE-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/714,131
; FILING DATE: 10-JUNE-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/536,428
; FILING DATE: 11-JUNE-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/964,624
; FILING DATE: 21-OCTOBER-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/117,991
;
; FILING DATE: 8-SEPTEMBER-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/931,473
; FILING DATE: 17-AUGUST-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Barry Swanson
; REGISTRATION NUMBER: 33,215
; REFERENCE/DOCKET NUMBER: NEX 34.2/CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 793-3333
; TELEFAX: (303) 793-3433
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 66 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
; FEATURE:
; OTHER INFORMATION: All pyrimidines are 2'-F modified
; US-09-046-247-138
;
; Alignment Scores:
; Pred. No.: 3.19 Length: 66
; Score: 46.00 Matches: 7
; Percent Similarity: 66.67% Conservative: 1
; Best Local Similarity: 58.33% Mismatches: 4
; Query Match: 46.94% Indels: 0
; DB: 3 Gaps: 0
;
; US-09-854-133-587 (1-16) x US-09-046-247-138 (1-66)
;
; QY 5 CysGlyleAspPhelellePheTrpPheTrp 16
; |||||
; DB 11 UGCGGUAUGACUUUGUUUUUUUUUUUUUUGCCUGG 46
;
; RESULT 6
; US-08-981-527A-20
; Sequence 20, Application US/08981527A
; Patent No. 6410262
; GENERAL INFORMATION:
; APPLICANT: Quax, Wilhelmus J.
; APPLICANT: Kerkman, Richard
; APPLICANT: Broekhuizen, Cornelis P.
; TITLE OF INVENTION: No. 6410262el Secretion Factors for
; TITLE OF INVENTION: Gram-Positive Microorganisms Genes Encoding Them and Methods
; TITLE OF INVENTION: of Using It
; FILE REFERENCE: GCX322-US
; CURRENT APPLICATION NUMBER: US/08/981,527A
; CURRENT FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: PCT/NL96/00278
; PRIOR FILING DATE: 1996-07-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 4370
; TYPE: DNA
; ORGANISM: Bacillus subtilis
; US-08-981-527A-20
;
; Alignment Scores:
; Pred. No.: 360 Length: 4370
; Score: 46.00 Matches: 8
; Percent Similarity: 75.00% Conservative: 4
; Best Local Similarity: 50.00% Mismatches: 4
; Query Match: 46.94% Indels: 0
; DB: 4 Gaps: 0
;
; US-09-854-133-587 (1-16) x US-08-981-527A-20 (1-4370)
;
; QY 1 PheGlnAlaAsnCysGlyleAspPheillellePheTrpPheTrp 16
; |||||
; DB 3839 TTCATACAAATATCGGAATAATGGATATATTAGCGTATTGG 3886

```

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RESULT 7
US-08-545-196B-20/c
; Sequence 20, Application US/08545196B
; Patent No. 6080577
; GENERAL INFORMATION:
; APPLICANT: MELKI, JUDITH
; APPLICANT: MUNNICH, ARNOLD
; TITLE OF INVENTION: SURVIVAL MOTOR NEURON (SMN) GENE: A GENE
; TITLE OF INVENTION: FOR SPINAL MUSCULAR ATROPHY
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH, LLP
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/545,196B
; FILING DATE: 19-OCT-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PARACI, C. J.
; REGISTRATION NUMBER: 32,350
; REFERENCE/DOCKET NUMBER: 2121-110P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 885 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 18..881
US-08-545-196B-20
Alignment Scores:
Pred. No.: 86.4 Length: 885
Score: 45.00 Matches: 10
Percent Similarity: 46.43% Conservative: 3
Best Local Similarity: 35.71% Mismatches: 3
Query Match: 45.92% Indels: 12
DB: 3 Gaps: 2
US-09-854-133-587 (1-16) x US-08-545-196B-20 (1-885)
Qy 1 PheGlnAlaAsnCysGlyle-----AspPheIleIle----- 11
Db 278 TTTCAGGGAGTTGGGATCTCTTTTGGCTTTTATCTCTTCGAGGTTTCTTCT 219
Qy 12 -----PheTrpIlePheTrp 16
Db 218 GGCTGTGCTTTTGGCTTATCTG 195
RESULT 8
US-08-257-073-14/c
; Sequence 14, Application US/08257073
; Patent No. 5766597
; GENERAL INFORMATION:
; APPLICANT: Paolotti, Enzo
; APPLICANT: de Taisne, Charles
; APPLICANT: Tine, John A.
; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue, 25th Floor
; CITY: New York
; STATE: New York
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/257,073
; FILING DATE: 09-JUN-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/075,783
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/852,305
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/672,183
; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333
; TELEFAX: (212) 840-0712
; TELEX: 425066 CURTMS
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1725 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-257-073-14
Alignment Scores:
Pred. No.: 183 Length: 1725
Score: 45.00 Matches: 6
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 85.71% Mismatches: 0
Query Match: 45.92% Indels: 0
DB: 1 Gaps: 0
US-09-854-133-587 (1-16) x US-08-257-073-14 (1-1725)
Qy 10 IleIlePheTrpIlePheTrp 16
Db 1194 ATCGTCCTCGGATTTTGG 1174
RESULT 9
US-09-484-970B-134
; Sequence 134, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 134
; LENGTH: 2435
; TYPE: DNA
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ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc.feature
 OTHER INFORMATION: Incyte ID No. 6426186 247789.2CB1
 NAME/KEY: unsure
 LOCATION: 93, 128, 132, 143-144, 2419, 2427, 2429
 OTHER INFORMATION: a, t, c, g, or other
 US-09-484-970B-134

Alignment Scores:
 Pred. No.: 270 Length: 2435
 Score: 45.00 Matches: 6
 Percent Similarity: 90.00% Conservative: 3
 Best Local Similarity: 60.00% Mismatches: 1
 Query Match: 45.92% Indels: 0
 DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-484-970B-134 (1-2435)

QY 6 GlyleAspPhelellePheTrrllePhe 15
 DB 1253 GGCATCGACTGGTTCCTCTTCGGGTTC 1282

RESULT 10
 US-08-920-812-10/c
 ; Sequence 10, Application US/08920812
 ; Patent No. 5763188
 ; GENERAL INFORMATION:
 ; APPLICANT: Ohno, Tsuneya
 ; APPLICANT: Matsuhisa, Akio
 ; APPLICANT: Uehara, Hirotsugu
 ; APPLICANT: Eda, Soji
 ; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: United States of America
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/920,812
 ; FILING DATE: 29-AUG-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/362,577
 ; FILING DATE: 27-MAR-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Rin-Laures, Li-Hsien
 ; REGISTRATION NUMBER: 33,547
 ; REFERENCE/DOCKET NUMBER: 19036/32420
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3719 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Genomic DNA
 ; ORIGINAL SOURCE:
 ; ORGANISM: Enterococcus faecalis
 ; STRAIN: Clinical Isolate S2-3
 ; US-08-920-812-10

Alignment Scores:
 Pred. No.: 435 Length: 3719
 Score: 45.00 Matches: 7
 Percent Similarity: 54.55% Conservative: 5
 Best Local Similarity: 31.82% Mismatches: 2
 Query Match: 45.92% Indels: 8
 DB: 1 Gaps: 1

US-09-854-133-587 (1-16) x US-08-920-812-10 (1-3719)

QY 1 PheGlnAlaAsnCysGlyle-----AspPhelellePhe 12
 DB 1878 TTTAGAOCGACTGGTGTGTTTGGACGAATACCGAAGCGACTTCTTTTGT 1819
 QY 13 TrpIle 14
 DB 1818 TGGCTT 1813

RESULT 11
 US-08-920-827-10/c
 ; Sequence 10, Application US/08920827
 ; Patent No. 5770375
 ; GENERAL INFORMATION:
 ; APPLICANT: Ohno, Tsuneya
 ; APPLICANT: Matsuhisa, Akio
 ; APPLICANT: Uehara, Hirotsugu
 ; APPLICANT: Eda, Soji
 ; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: United States of America
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/920,827
 ; FILING DATE: 29-AUG-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/362,577
 ; FILING DATE: 27-MAR-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Rin-Laures, Li-Hsien
 ; REGISTRATION NUMBER: 33,547
 ; REFERENCE/DOCKET NUMBER: 19036/32420
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3719 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Genomic DNA
 ; ORIGINAL SOURCE:
 ; ORGANISM: Enterococcus faecalis
 ; STRAIN: Clinical Isolate S2-3
 ; US-08-920-827-10

Alignment Scores:
 Pred. No.: 435 Length: 3719
 Score: 45.00 Matches: 7
 Percent Similarity: 54.55% Conservative: 5
 Best Local Similarity: 31.82% Mismatches: 2

US-09-596-824-5/c
; Sequence 5, Application US/09596824
; Patent No. 6372464
; GENERAL INFORMATION:

Search completed: May 11, 2003, 16:16:10
Job time : 15.7788 secs

GenCore version 5.1.4 p5 4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 15:28:15 ; Search time 18.9735 Seconds
(without alignments)
1047.953 Million cell updates/sec

Title: US-09-854-133-587

Perfect score: 98

Sequence: 1 PQNCGIDFIFWIFW 16

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Pgapop 6.0 , Pgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 783854 seqs, 621352466 residues

Total number of hits satisfying chosen parameters: 1567708

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-Q=/cgn2_1/USPTO.spool/US09854133/runat_05052003_173958_449/app_query.fasta_1.462
-DB=Published Applications NA -OFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cgi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09854133@cgn_1_1_117 @runat_05052003_173958_449
-NCPU=6 -ICPU=3 -NO XLPXY -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications NA.*

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
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5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	98	100.0	337	9	US-09-854-133-442
2	98	100.0	337	10	US-09-738-973-442
3	98	100.0	2239	9	US-09-854-133-440
4	98	100.0	2239	10	US-09-738-973-440

5	98	100.0	5981	9	US-09-854-133-441	Sequence 441, App
6	98	100.0	5981	10	US-09-738-973-441	Sequence 441, App
c 7	51	52.0	806	10	US-09-910-943-590	Sequence 590, App
c 8	51	52.0	31412	9	US-10-109-551-3	Sequence 3, Appli
c 9	50.5	51.5	710	10	US-09-867-550-1537	Sequence 1537, Ap
c 10	50	51.0	8925	9	US-09-764-891-9932	Sequence 9932, Ap
c 11	50	51.0	15732	9	US-10-329-676-96	Sequence 96, Appli
c 12	50	51.0	1691139	9	US-10-067-511-1	Sequence 1, Appli
c 13	49	50.0	2157	10	US-09-801-368-387	Sequence 387, App
c 14	49	50.0	83450	9	US-09-811-469-3	Sequence 3, Appli
c 15	48	49.0	303	10	US-09-998-598-2471	Sequence 2471, Ap
c 16	48	49.0	405	9	US-09-918-995-33363	Sequence 33363, A
c 17	48	49.0	601	10	US-09-777-921A-64	Sequence 64, Appli
c 18	48	49.0	2285	9	US-09-978-295A-283	Sequence 283, App
c 19	48	49.0	2285	9	US-09-978-697-283	Sequence 283, App
c 20	48	49.0	2285	9	US-09-978-192A-283	Sequence 283, App
c 21	48	49.0	2285	9	US-09-999-832A-283	Sequence 283, App
c 22	48	49.0	2285	9	US-09-978-189-283	Sequence 283, App
c 23	48	49.0	2285	9	US-10-174-590-111	Sequence 111, App
c 24	48	49.0	2285	9	US-10-176-758-111	Sequence 111, App
c 25	48	49.0	2285	9	US-10-175-737-111	Sequence 111, App
c 26	48	49.0	2285	9	US-10-173-706-111	Sequence 111, App
c 27	48	49.0	2285	9	US-10-175-738-111	Sequence 111, App
c 28	48	49.0	2285	9	US-10-175-752-111	Sequence 111, App
c 29	48	49.0	2285	9	US-10-176-482-111	Sequence 111, App
c 30	48	49.0	2285	9	US-10-176-757-111	Sequence 111, App
c 31	48	49.0	2285	9	US-10-176-913-111	Sequence 111, App
c 32	48	49.0	2285	9	US-10-180-552-111	Sequence 111, App
c 33	48	49.0	2285	9	US-10-180-557-111	Sequence 111, App
c 34	48	49.0	2285	9	US-10-173-700-111	Sequence 111, App
c 35	48	49.0	2285	9	US-10-174-572-111	Sequence 111, App
c 36	48	49.0	2285	9	US-10-174-579-111	Sequence 111, App
c 37	48	49.0	2285	9	US-10-174-582-111	Sequence 111, App
c 38	48	49.0	2285	9	US-10-174-588-111	Sequence 111, App
c 39	48	49.0	2285	9	US-10-175-739-111	Sequence 111, App
c 40	48	49.0	2285	9	US-10-175-740-111	Sequence 111, App
c 41	48	49.0	2285	9	US-10-175-743-111	Sequence 111, App
c 42	48	49.0	2285	9	US-10-176-488-111	Sequence 111, App
c 43	48	49.0	2285	9	US-10-176-492-111	Sequence 111, App
c 44	48	49.0	2285	9	US-10-176-747-111	Sequence 111, App
c 45	48	49.0	2285	9	US-10-176-750-111	Sequence 111, App

ALIGNMENTS

RESULT 1
US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raedon
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-442

Alignment Scores:
Pred. No.: 2.04e-07
Score: 98.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Length: 337
Matches: 16
Conservative: 0
Mismatch: 0

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Query Match:      100.00%      Indels:      0
DB:              9              Gaps:      0

US-09-854-133-587 (1-16) x US-09-854-133-442 (1-337)

Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
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Db  107 TTCCAGGCCAATTGTGGCAGATATTTATCATATCTCGATTTTGG 154

RESULT 2
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442

Alignment Scores:
Pred. No.:      2.04e-07      Length:      337
Score:          98.00      Matches:      16
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    100.00%      Indels:      0
DB:            10          Gaps:      0

US-09-854-133-587 (1-16) x US-09-738-973-442 (1-337)

Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
    |||||
Db  107 TTCCAGGCCAATTGTGGCAGATATTTATCATATCTCGATTTTGG 154

RESULT 3
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA

```

```

; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:
Pred. No.:      1.91e-06      Length:      2239
Score:          98.00      Matches:      16
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    100.00%      Indels:      0
DB:            9          Gaps:      0

US-09-854-133-587 (1-16) x US-09-854-133-440 (1-2239)

Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
    |||||
Db  104 TTCCAGGCCAATTGTGGCAGATATTTATCATATCTCGATTTTGG 151

RESULT 4
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:
Pred. No.:      1.91e-06      Length:      2239
Score:          98.00      Matches:      16
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    100.00%      Indels:      0
DB:            10          Gaps:      0

US-09-854-133-587 (1-16) x US-09-738-973-440 (1-2239)

Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
    |||||
Db  104 TTCCAGGCCAATTGTGGCAGATATTTATCATATCTCGATTTTGG 151

RESULT 5
US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 2239
; TYPE: DNA

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; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-441

Alignment Scores:
Pred. No.:          6,1e-06      Length:      5981
Score:              98.00      Matches:      16
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00% Mismatches:      0
Query Match:        100.00%    Indels:        0
DB:                  9          Gaps:          0

US-09-854-133-587 (1-16) x US-09-854-133-441 (1-5981)
Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
Db  102 TTCAGGCCAATTGGCATAGATTATTCATATTCGGATTITGG 149

RESULT 6
US-09-738-973-441
; Sequence 441, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-441

Alignment Scores:
Pred. No.:          6,1e-06      Length:      5981
Score:              98.00      Matches:      16
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00% Mismatches:      0
Query Match:        100.00%    Indels:        0
DB:                  10          Gaps:          0

US-09-854-133-587 (1-16) x US-09-738-973-441 (1-5981)
Qy  1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
Db  102 TTCAGGCCAATTGGCATAGATTATTCATATTCGGATTITGG 149

RESULT 7
US-09-910-943-590/c
; Sequence 590, Application US/09910943
; Patent No. US20020081610A1
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; GENERAL INFORMATION:
; APPLICANT: Hemmati-Briavanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/IG148US1
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 590
; LENGTH: 806
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(806)
; OTHER INFORMATION: n may be a or g or c or t/u
US-09-910-943-590

Alignment Scores:
Pred. No.:          19.9         Length:      806
Score:              51.00      Matches:      6
Percent Similarity: 75.00%    Conservative: 3
Best Local Similarity: 50.00% Mismatches:      3
Query Match:        52.04%    Indels:        0
DB:                  10          Gaps:          0

US-09-854-133-587 (1-16) x US-09-910-943-590 (1-806)
Qy  5 CysGlyIleAspPheIleIlePheTrpIlePheTrp 16
Db  154 TTGGTATCTATCATGTGCTCTCTCGGTCCTCTGG 119

RESULT 8
US-10-109-551-3/c
; Sequence 3, Application US/10109551
; Publication No. US20020194635A1
; GENERAL INFORMATION:
; APPLICANT: DUNNE, PATRICK W.
; APPLICANT: PIEDRAHITA, JORGE
; TITLE OF INVENTION: TRANSGENIC ANIMALS RESISTANT TO TRANSMISSIBLE
; TITLE OF INVENTION: SPONGIFORM ENCEPHALOPATHIES
; FILE REFERENCE: TAMK:207US
; CURRENT APPLICATION NUMBER: US/10/109,551
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: 60/280,549
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31412
; TYPE: DNA
; ORGANISM: Ovis aries
US-10-109-551-3

Alignment Scores:
Pred. No.:          1,5e+03      Length:      31412
Score:              51.00      Matches:      6
Percent Similarity: 90.00%    Conservative: 3
Best Local Similarity: 60.00% Mismatches:      1
Query Match:        52.04%    Indels:        0
DB:                  9          Gaps:          0

US-09-854-133-587 (1-16) x US-10-109-551-3 (1-31412)
Qy  7 IleAspPheIleIlePheTrpIlePheTrp 16
Db  15883 CTAGATTTCGTTTATTCGATACATTGG 15854

RESULT 9
US-09-867-550-1537
; Sequence 1537, Application US/09867550
; Patent No. US20020082206A1
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/ GENERAL INFORMATION:
/ APPLICANT: Leach, Martin D.
/ APPLICANT: Mehraban, Fuad,
/ APPLICANT: Conley, Pamela
/ APPLICANT: Law, Debbie
/ APPLICANT: Topper, James
/ TITLE OF INVENTION: NO. US20020082206A1el Polynucleotides from Atherogenic Cells and
/ TITLE OF INVENTION: Thereby
/ FILE REFERENCE: 21402-013 (Cura-313)
/ CURRENT APPLICATION NUMBER: US/09/867,550
/ CURRENT FILING DATE: 2001-09-20
/ PRIOR APPLICATION NUMBER: USSN 60/208,427
/ PRIOR FILING DATE: 2000-05-30
/ NUMBER OF SEQ ID NOS: 2125
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1537
/ LENGTH: 710
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-867-550-1537

Alignment Scores:
Pred. No.: 20.6 Length: 710
Score: 50.50 Matches: 8
Percent Similarity: 71.43% Conservative: 2
Best Local Similarity: 57.14% Mismatches: 3
Query Match: 51.53% Indels: 1
DB: 10 Gaps: 1

US-09-854-133-587 (1-16) x US-09-867-550-1537 (1-710)
QY 4 AsnCysGly---lleAspPheIlellePheTrpIlePheTrp 16
Db 174 AACGCTGCAGGTTAGTTTCATTTCCTTTGTTTGGT 215

RESULT 10
US-09-764-891-9932/c
/ Sequence 9932, Application US/09764891
/ Publication No. US20030077808A1
/ GENERAL INFORMATION:
/ APPLICANT: Rosen et al.
/ TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
/ FILE REFERENCE: FC006
/ CURRENT APPLICATION NUMBER: US/09/764,891
/ CURRENT FILING DATE: 2001-01-17
/ Prior application data removed - consult PALM or file wrapper
/ NUMBER OF SEQ ID NOS: 10231
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 9932
/ LENGTH: 8925
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-764-891-9932

Alignment Scores:
Pred. No.: 492 Length: 8925
Score: 50.00 Matches: 8
Percent Similarity: 71.43% Conservative: 2
Best Local Similarity: 57.14% Mismatches: 4
Query Match: 51.02% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-09-764-891-9932 (1-8925)
QY 3 AlaAsnCysGlylleAspPheIlellePheTrpIlePheTrp 16
Db 5144 GCATCATCTCGCATAGACAGATACATTTCTGGCTATTCGG 5103

RESULT 11
US-10-239-676-96
/ Sequence 96, Application US/10239676
/ Publication No. US20030082609A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIEPENBROCK, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
/ FILE REFERENCE: 5013.1003
/ CURRENT APPLICATION NUMBER: US/10/239,676
/ CURRENT FILING DATE: 2002-09-24
/ PRIOR APPLICATION NUMBER: PCT/EP01/03968
/ DE 10019058.8
/ DE 10019173.8
/ DE 10032529.7
/ DE 10043826.1
/ PRIOR FILING DATE: 2001-04-06
/ 2000-04-06
/ 2000-04-07
/ 2000-06-30
/ 2000-09-01
/ NUMBER OF SEQ ID NOS: 228
/ SEQ ID NO 96
/ LENGTH: 15732
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-96

Alignment Scores:
Pred. No.: 962 Length: 15732
Score: 50.00 Matches: 7
Percent Similarity: 75.00% Conservative: 2
Best Local Similarity: 58.33% Mismatches: 3
Query Match: 51.03% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-10-239-676-96 (1-15732)
QY 4 AsnCysGlylleAspPheIlellePheTrpIlePhe 15
Db 475 AGTTGTGAATGATTTAGTTTTTTTGGTTTTT 510

RESULT 12
US-10-067-514-1
/ Sequence 1, Application US/10067514
/ Publication No. US20030054531A1
/ GENERAL INFORMATION:
/ APPLICANT: Gretsardottir, Solveig
/ APPLICANT: Jonsdottir, Sif
/ APPLICANT: Reynisdottir, Sigridur Th.
/ TITLE OF INVENTION: HUMAN STROKE GENE
/ FILE REFERENCE: 2345.2010-003
/ CURRENT APPLICATION NUMBER: US/10/067,514
/ CURRENT FILING DATE: 2002-02-04
/ PRIOR APPLICATION NUMBER: US 09/811/352
/ PRIOR FILING DATE: 2001-03-19
/ NUMBER OF SEQ ID NOS: 84
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1
/ LENGTH: 1691139
/ TYPE: DNA
/ ORGANISM: Human
US-10-067-514-1

Alignment Scores:
Pred. No.: 2.24e+05 Length: 1691139
Score: 50.00 Matches: 7
Percent Similarity: 73.33% Conservative: 4
Best Local Similarity: 46.67% Mismatches: 2
Query Match: 51.02% Indels: 2
DB: 9 Gaps: 1

US-09-854-133-587 (1-16) x US-10-067-514-1 (1-1691139)
QY 4 AsnCysGlylle-----AspPheIlellePheTrpIlePheTrp 16
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Search completed: May 11, 2003, 16:31:08
Job time : 153.973 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 30, 2003, 14:13:43 Search time 11.3274 Seconds
(without alignments)
623.454 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 16
Sequence: 1 FOANCCIDPIIFWIFW 16

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Ygapop 60.0, Ygapext 60.0
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

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Total number of hits satisfying chosen parameters: 1129331

Minimum DB seq length: 0

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Post-processing: Listing first 1000 summaries

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-OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPEXT=60 -FGAPOP=60
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
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2: /cgn2_6/ptodata/2/ina/5B COMB.seq:
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4: /cgn2_6/ptodata/2/ina/6B COMB.seq:
5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq:
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	6	37.5	277	4	US-09-222-575-101
3	6	37.5	277	4	US-09-389-681-101
4	6	37.5	277	4	US-09-620-405B-101
5	6	37.5	277	4	US-09-339-338-101
6	6	37.5	277	4	US-09-433-826B-101
7	6	37.5	277	4	US-09-604-287A-101
8	6	37.5	921	4	US-09-328-352-3953
9	6	37.5	975	4	US-09-107-532A-2698
10	6	37.5	1221	4	US-09-107-532A-2019
11	6	37.5	1352	3	US-08-817-913-15
12	6	37.5	1419	4	US-09-107-532A-517

13	6	37.5	1470	4	US-09-134-001C-2404	Sequence 2404, Ap
14	6	37.5	1485	4	US-09-134-001C-1339	Sequence 1339, Ap
15	6	37.5	1734	3	US-08-817-913-16	Sequence 16, Appl
16	6	37.5	1866	4	US-09-601-198-153	Sequence 153, Appl
17	6	37.5	1920	3	US-08-817-913-17	Sequence 17, Appl
18	6	37.5	1969	1	US-07-721-761A-35	Sequence 35, Appl
19	6	37.5	1969	1	US-07-978-682-35	Sequence 35, Appl
20	6	37.5	1969	4	US-08-926-522-17	Sequence 17, Appl
21	6	37.5	1869	5	PCT-US91-05801-35	Sequence 35, Appl
22	6	37.5	2038	4	US-09-620-312D-597	Sequence 597, Appl
23	6	37.5	2049	4	US-09-107-532A-845	Sequence 845, Appl
24	6	37.5	2371	2	US-09-020-466-1	Sequence 1, Appl
25	6	37.5	2371	3	US-09-192-659-1	Sequence 1, Appl
26	6	37.5	2453	4	US-08-961-527-316	Sequence 316, Appl
27	6	37.5	2586	4	US-09-107-532A-2331	Sequence 2331, Ap
28	6	37.5	2682	3	US-09-020-465-1	Sequence 1, Appl
29	6	37.5	3210	3	US-08-613-009A-6	Sequence 6, Appl
30	6	37.5	3210	4	US-08-778-570B-6	Sequence 6, Appl
31	6	37.5	3210	4	US-09-059-584-6	Sequence 6, Appl
32	6	37.5	3334	3	US-09-255-984-1	Sequence 1, Appl
33	6	37.5	3339	4	US-09-508-542-16	Sequence 16, Appl
34	6	37.5	3539	4	US-09-508-524-16	Sequence 16, Appl
35	6	37.5	3660	3	US-08-613-009A-5	Sequence 5, Appl
36	6	37.5	3660	4	US-08-778-570B-5	Sequence 5, Appl
37	6	37.5	3660	4	US-09-059-584-5	Sequence 5, Appl
38	6	37.5	4711	1	US-08-414-926A-1	Sequence 1, Appl
39	6	37.5	4711	2	US-08-926-922-1	Sequence 1, Appl
40	6	37.5	4711	3	US-09-253-682-1	Sequence 1, Appl
41	6	37.5	4711	3	US-09-527-657-1	Sequence 1, Appl
42	6	37.5	5064	4	US-08-936-107A-8	Sequence 8, Appl
43	6	37.5	5508	4	US-09-220-132-2	Sequence 2, Appl
44	6	37.5	8854	4	US-08-961-527-98	Sequence 98, Appl
45	6	37.5	10357	4	US-08-961-527-191	Sequence 191, Appl
46	6	37.5	20303	1	US-08-370-975B-6	Sequence 6, Appl
47	6	37.5	26764	1	US-08-370-975B-1	Sequence 1, Appl
48	6	37.5	124884	4	US-09-661-596A-76	Sequence 76, Appl
49	6	37.5	1230025	4	US-09-198-452A-1	Sequence 1, Appl
50	6	37.5	1664976	4	US-08-916-421B-1	Sequence 1, Appl
51	6	37.5	1664976	4	US-08-916-421B-1	Sequence 1, Appl
52	6	37.5	1830121	4	US-09-557-884-1	Sequence 1, Appl
53	6	37.5	1830121	4	US-09-557-884-1	Sequence 1, Appl
54	6	37.5	1830121	4	US-09-643-990A-1	Sequence 1, Appl
55	6	37.5	1830121	4	US-09-643-990A-1	Sequence 1, Appl
56	5	31.2	21	4	US-09-422-978-10308	Sequence 10308, A
57	5	31.2	24	4	US-09-341-444A-28	Sequence 28, Appl
58	5	31.2	48	3	US-08-885-659-2	Sequence 2, Appl
59	5	31.2	66	3	US-09-046-247-138	Sequence 138, Appl
60	5	31.2	117	1	US-08-450-834-4	Sequence 4, Appl
61	5	31.2	195	4	US-09-107-532A-2922	Sequence 2922, Ap
62	5	31.2	207	4	US-09-107-532A-1043	Sequence 1043, Ap
63	5	31.2	222	4	US-09-134-001C-548	Sequence 548, Appl
64	5	31.2	225	4	US-09-134-001C-2829	Sequence 2829, Ap
65	5	31.2	258	1	US-08-410-804-6	Sequence 6, Appl
66	5	31.2	258	1	US-08-259-514-6	Sequence 6, Appl
67	5	31.2	258	2	US-08-858-311-6	Sequence 6, Appl
68	5	31.2	263	4	US-09-313-294A-2278	Sequence 2278, Ap
69	5	31.2	284	4	US-09-328-352-96	Sequence 95, Appl
70	5	31.2	278	4	US-09-313-294A-3778	Sequence 3778, Ap
71	5	31.2	280	4	US-09-313-294A-5999	Sequence 5999, Ap
72	5	31.2	289	4	US-09-313-294A-6344	Sequence 6344, Ap
73	5	31.2	292	4	US-09-313-294A-5246	Sequence 5246, Ap
74	5	31.2	284	4	US-09-313-294A-2898	Sequence 2898, Ap
75	5	31.2	300	4	US-09-702-705-696	Sequence 696, Appl
76	5	31.2	300	4	US-09-736-457-696	Sequence 696, Appl
77	5	31.2	300	4	US-09-107-532A-44	Sequence 44, Appl
78	5	31.2	313	4	US-09-438-906-15	Sequence 15, Appl
79	5	31.2	364	4	US-09-313-294A-4861	Sequence 4861, Ap
80	5	31.2	390	4	US-09-134-001C-2354	Sequence 2354, Ap
81	5	31.2	392	4	US-08-747-562-23	Sequence 23, Appl
82	5	31.2	405	4	US-09-134-001C-2395	Sequence 2395, Ap
83	5	31.2	409	1	US-08-469-667-21	Sequence 21, Appl
84	5	31.2	409	4	US-09-224-110-21	Sequence 21, Appl
85	5	31.2	409	5	PCT-US95-07289-21	Sequence 21, Appl

86	5	31.2	414	4	US-09-252-991A-5339	Sequence 5339, Ap	159	5	31.2	807	4	US-09-252-991A-6568	Sequence 6568, Ap
87	5	31.2	439	4	US-09-221-017B-162	Sequence 162, App	160	5	31.2	813	4	US-09-252-991A-6615	Sequence 6615, Ap
88	5	31.2	441	4	US-09-601-198-76	Sequence 76, Appl	161	5	31.2	816	1	US-08-404-732A-2	Sequence 2, Appl
89	5	31.2	455	4	US-09-702-705-720	Sequence 720, App	162	5	31.2	819	4	US-09-028-586-1	Sequence 1, Appl
90	5	31.2	455	4	US-09-736-457-720	Sequence 720, App	163	5	31.2	825	4	US-09-134-001C-1084	Sequence 1084, Ap
91	5	31.2	459	4	US-09-702-705-625	Sequence 625, App	164	5	31.2	831	1	US-08-450-834-5	Sequence 5, Appl
92	5	31.2	459	4	US-09-736-457-625	Sequence 625, App	165	5	31.2	835	4	US-09-227-721-10	Sequence 10, Appl
93	5	31.2	483	4	US-09-495-050A-189	Sequence 189, App	166	5	31.2	835	4	US-09-227-721-10	Sequence 10, Appl
94	5	31.2	519	4	US-09-328-352-400A	Sequence 400A, Ap	167	5	31.2	837	5	PCT-US94-0374A-1	Sequence 1, Appl
95	5	31.2	520	4	US-08-961-527-344	Sequence 344, App	168	5	31.2	850	3	US-08-961-083-123	Sequence 123, App
96	5	31.2	537	4	US-09-107-532A-108	Sequence 108, App	169	5	31.2	850	4	US-08-936-784-123	Sequence 123, App
97	5	31.2	555	4	US-09-612-473-21	Sequence 21, Appl	170	5	31.2	858	1	US-08-126-593A-1	Sequence 1, Appl
98	5	31.2	570	4	US-09-252-991A-591	Sequence 591, App	171	5	31.2	858	1	US-08-454-039A-1	Sequence 1, Appl
99	5	31.2	583	4	US-09-221-017B-682	Sequence 682, App	172	5	31.2	858	4	US-09-561-756-2	Sequence 2, Appl
100	5	31.2	585	4	US-08-976-259-45	Sequence 45, Appl	173	5	31.2	858	4	US-09-227-721-2	Sequence 2, Appl
101	5	31.2	585	4	US-09-620-312D-46	Sequence 46, Appl	174	5	31.2	860	4	US-08-858-207A-172	Sequence 172, App
102	5	31.2	591	4	US-09-328-352-2184	Sequence 2184, Ap	175	5	31.2	868	4	US-09-071-035-27	Sequence 27, Appl
103	5	31.2	595	3	US-09-385-982-452	Sequence 452, App	176	5	31.2	873	4	US-09-561-756-1	Sequence 1, Appl
104	5	31.2	601	4	US-09-814-951A-13	Sequence 13, Appl	177	5	31.2	873	4	US-09-227-721-1	Sequence 1, Appl
105	5	31.2	606	4	US-09-328-352-971	Sequence 971, App	178	5	31.2	875	3	US-08-549-846-1	Sequence 1, Appl
106	5	31.2	611	4	US-09-376-113-4	Sequence 4, Appl	179	5	31.2	875	4	US-09-221-017B-90	Sequence 90, Appl
107	5	31.2	618	4	US-09-328-352-3955	Sequence 3955, Ap	180	5	31.2	882	4	US-09-314-701-53	Sequence 53, Appl
108	5	31.2	618	4	US-09-107-532A-1560	Sequence 1560, Ap	181	5	31.2	889	4	US-09-071-035-39	Sequence 39, Appl
109	5	31.2	624	4	US-09-221-017B-43	Sequence 43, Appl	182	5	31.2	904	4	US-09-032-297A-4	Sequence 4, Appl
110	5	31.2	630	4	US-09-612-473-24	Sequence 24, Appl	183	5	31.2	912	4	US-09-107-532A-3032	Sequence 3032, Ap
111	5	31.2	630	4	US-09-252-991A-6652	Sequence 6652, Ap	184	5	31.2	921	4	US-09-328-352-3953	Sequence 3953, Ap
112	5	31.2	630	4	US-09-252-991A-6656	Sequence 6656, Ap	185	5	31.2	936	4	US-09-328-352-3983	Sequence 3983, Ap
113	5	31.2	630	4	US-09-107-532A-892	Sequence 892, App	186	5	31.2	951	4	US-09-328-352-1097	Sequence 1097, Ap
114	5	31.2	631	4	US-09-376-113-6	Sequence 6, Appl	187	5	31.2	960	4	US-09-071-035-25	Sequence 25, Appl
115	5	31.2	633	4	US-09-107-532A-831	Sequence 831, App	188	5	31.2	961	5	PCT-US94-02889-1	Sequence 1, Appl
116	5	31.2	642	2	US-08-480-753-5	Sequence 5, Appl	189	5	31.2	975	4	US-09-071-035-37	Sequence 37, Appl
117	5	31.2	642	3	US-09-041-889-10	Sequence 10, Appl	190	5	31.2	999	1	US-08-469-649-1	Sequence 1, Appl
118	5	31.2	642	3	US-08-837-058-10	Sequence 10, Appl	191	5	31.2	999	4	US-09-347-878-59	Sequence 59, Appl
119	5	31.2	642	4	US-09-417-264-10	Sequence 10, Appl	192	5	31.2	999	4	US-09-134-001C-1195	Sequence 1195, Ap
120	5	31.2	642	4	US-09-669-751-195	Sequence 195, App	193	5	31.2	1001	3	US-08-964-308-5	Sequence 5, Appl
121	5	31.2	642	4	US-09-252-991A-5261	Sequence 5261, Ap	194	5	31.2	1001	3	US-08-964-308-9	Sequence 9, Appl
122	5	31.2	655	4	US-09-205-258-88	Sequence 88, Appl	195	5	31.2	1001	3	US-08-964-313-5	Sequence 5, Appl
123	5	31.2	660	2	US-08-401-068-5	Sequence 5, Appl	196	5	31.2	1001	3	US-08-964-313-9	Sequence 9, Appl
124	5	31.2	660	2	US-08-846-338-5	Sequence 5, Appl	197	5	31.2	1001	4	US-09-069-138-5	Sequence 5, Appl
125	5	31.2	660	3	US-08-813-946A-1	Sequence 1, Appl	198	5	31.2	1001	4	US-09-069-138-9	Sequence 9, Appl
126	5	31.2	662	4	US-08-936-165A-86	Sequence 86, Appl	199	5	31.2	1001	4	US-09-641-638-145	Sequence 145, App
127	5	31.2	669	3	US-09-120-426-3	Sequence 3, Appl	200	5	31.2	1001	4	US-09-671-317-169	Sequence 169, App
128	5	31.2	681	4	US-09-107-532A-2124	Sequence 2124, Ap	201	5	31.2	1001	4	US-09-671-317-401	Sequence 401, App
129	5	31.2	685	3	US-09-122-400B-10	Sequence 10, Appl	202	5	31.2	1002	4	US-09-671-317-402	Sequence 402, App
130	5	31.2	686	3	US-08-953-326-21	Sequence 21, Appl	203	5	31.2	1002	4	US-09-641-638-580	Sequence 580, App
131	5	31.2	688	3	US-08-998-416-659	Sequence 699, App	204	5	31.2	1005	4	US-08-987-146-3	Sequence 3, Appl
132	5	31.2	689	3	US-08-998-416-888	Sequence 888, App	205	5	31.2	1008	4	US-08-987-146-1	Sequence 1, Appl
133	5	31.2	690	4	US-09-134-001C-128	Sequence 128, App	206	5	31.2	1010	4	US-08-461-325-102	Sequence 102, App
134	5	31.2	690	4	US-09-134-001C-213	Sequence 213, App	207	5	31.2	1020	4	US-09-651-656-52	Sequence 32, Appl
135	5	31.2	693	4	US-09-328-352-3317	Sequence 3317, Ap	208	5	31.2	1020	4	US-09-650-855-32	Sequence 32, Appl
136	5	31.2	701	3	US-08-998-416-701	Sequence 701, App	209	5	31.2	1021	4	US-09-461-325-92	Sequence 92, Appl
137	5	31.2	708	4	US-08-947-014-1	Sequence 1, Appl	210	5	31.2	1029	4	US-09-252-991A-6683	Sequence 6683, Ap
138	5	31.2	708	4	US-09-490-011-1	Sequence 1, Appl	211	5	31.2	1029	4	US-09-107-532A-1842	Sequence 1842, Ap
139	5	31.2	713	3	US-08-998-416-651	Sequence 651, App	212	5	31.2	1041	4	US-09-404-879A-18	Sequence 18, Appl
140	5	31.2	716	4	US-09-556-877-54	Sequence 54, Appl	213	5	31.2	1041	4	US-09-338-933-18	Sequence 18, Appl
141	5	31.2	716	4	US-09-620-412C-54	Sequence 54, Appl	214	5	31.2	1041	4	US-09-215-681-18	Sequence 18, Appl
142	5	31.2	716	4	US-09-410-566-54	Sequence 54, Appl	215	5	31.2	1043	4	US-09-404-879A-19	Sequence 19, Appl
143	5	31.2	716	4	US-09-598-415-54	Sequence 54, Appl	216	5	31.2	1043	4	US-09-338-933-19	Sequence 19, Appl
144	5	31.2	720	3	US-08-998-416-628	Sequence 628, App	217	5	31.2	1043	4	US-09-215-681-19	Sequence 19, Appl
145	5	31.2	726	4	US-09-134-001C-1480	Sequence 1480, Ap	218	5	31.2	1044	4	US-09-328-352-1795	Sequence 1795, Ap
146	5	31.2	728	3	US-08-998-416-654	Sequence 654, App	219	5	31.2	1064	2	US-08-529-878B-40	Sequence 40, Appl
147	5	31.2	764	4	US-08-858-207A-2	Sequence 2, Appl	220	5	31.2	1068	4	US-09-134-001C-785	Sequence 785, App
148	5	31.2	774	4	US-09-107-532A-2311	Sequence 2311, Ap	221	5	31.2	1085	4	US-09-219-983A-8	Sequence 8, Appl
149	5	31.2	779	4	US-08-858-207A-96	Sequence 96, Appl	222	5	31.2	1087	4	US-09-387-044B-1	Sequence 1, Appl
150	5	31.2	789	1	US-08-181-335B-3	Sequence 3, Appl	223	5	31.2	1096	4	US-08-858-207A-136	Sequence 136, App
151	5	31.2	789	1	US-08-181-335B-6	Sequence 6, Appl	224	5	31.2	1122	4	US-09-134-001C-1192	Sequence 1192, Ap
152	5	31.2	789	1	US-08-181-335B-6	Sequence 6, Appl	225	5	31.2	1128	4	US-09-451-501-18	Sequence 18, Appl
153	5	31.2	789	5	PCT-US95-00129-3	Sequence 3, Appl	226	5	31.2	1128	4	US-09-328-352-858	Sequence 858, App
154	5	31.2	789	5	PCT-US95-00129-5	Sequence 5, Appl	227	5	31.2	1128	4	US-09-328-352-3234	Sequence 3234, Ap
155	5	31.2	789	5	PCT-US95-00129-6	Sequence 6, Appl	228	5	31.2	1137	4	US-09-107-532A-123	Sequence 123, Appl
156	5	31.2	801	4	US-09-134-001C-2084	Sequence 2084, Ap	229	5	31.2	1151	1	US-08-236-754-3	Sequence 3, Appl
157	5	31.2	807	4	US-08-961-527-357	Sequence 357, App	230	5	31.2	1152	4	US-09-107-532A-2119	Sequence 2119, Ap
158	5	31.2	807	4	US-09-252-991A-6567	Sequence 6567, Ap	231	5	31.2	1158	3	US-08-591-605-1	Sequence 1, Appl

232	5	31.2	1159	3	US-08-462-969B-3	Sequence 3, Appli	Sequence 3, Appli	3	1518	4	US-09-421-238-3	Sequence 3, Appli
233	5	31.2	1159	4	US-09-124-934A-3	Sequence 3, Appli	Sequence 3, Appli	5	1524	4	US-09-153-277-3	Sequence 3, Appli
234	5	31.2	1159	4	US-08-334-251D-3	Sequence 3, Appli	Sequence 3, Appli	5	1524	4	US-09-107-532A-732	Sequence 732, App
235	5	31.2	1161	4	US-09-107-532A-1110	Sequence 1110, Ap	Sequence 1110, Ap	5	1539	4	US-09-134-001C-1512	Sequence 1512, Ap
236	5	31.2	1175	1	US-07-791-377-1	Sequence 1, Appli	Sequence 1, Appli	5	1541	3	US-09-426-557-3	Sequence 3, Appli
237	5	31.2	1175	4	US-08-356-106-1	Sequence 1, Appli	Sequence 1, Appli	5	1551	4	US-09-620-312D-923	Sequence 923, App
238	5	31.2	1182	4	US-09-601-198-18	Sequence 18, Appl	Sequence 18, Appl	5	1553	4	US-09-461-325-74	Sequence 74, Appl
239	5	31.2	1194	3	US-08-529-329-3	Sequence 3, Appli	Sequence 3, Appli	5	1557	4	US-09-134-001C-1614	Sequence 1614, Ap
240	5	31.2	1197	1	US-08-861-269-4	Sequence 4, Appli	Sequence 4, Appli	5	1587	3	US-09-108-020-11	Sequence 11, Appl
241	5	31.2	1197	3	US-09-134-596-4	Sequence 4, Appli	Sequence 4, Appli	5	1593	1	US-08-307-499-50	Sequence 50, Appl
242	5	31.2	1197	3	US-09-293-273-4	Sequence 19, Appl	Sequence 19, Appl	5	1593	3	US-09-299-268-50	Sequence 50, Appl
243	5	31.2	1205	4	US-09-017-754A-19	Sequence 2235, Ap	Sequence 2235, Ap	5	1611	2	US-08-650-598-1	Sequence 2, Appli
244	5	31.2	1225	3	US-08-328-352-2235	Sequence 36, Appl	Sequence 36, Appl	5	1617	4	US-09-268-013-2	Sequence 9, Appli
245	5	31.2	1235	3	US-08-842-274D-36	Sequence 36, Appl	Sequence 36, Appl	5	1622	3	US-09-334-601-9	Sequence 1868, Ap
246	5	31.2	1235	3	US-08-952-014C-36	Sequence 36, Appl	Sequence 36, Appl	5	1623	4	US-09-124-238A-9	Sequence 9, Appli
247	5	31.2	1239	4	US-09-328-352-346	Sequence 346, App	Sequence 346, App	5	1644	4	US-09-721-975-9	Sequence 9, Appli
248	5	31.2	1239	4	US-09-328-352-4010	Sequence 4010, Ap	Sequence 4010, Ap	5	1644	4	US-09-255-823-23	Sequence 23, Appl
249	5	31.2	1257	4	US-09-134-001C-1214	Sequence 1214, Ap	Sequence 1214, Ap	5	1644	4	US-09-986-621-9	Sequence 9, Appli
250	5	31.2	1260	3	US-09-120-426-1	Sequence 1, Appli	Sequence 1, Appli	5	1644	4	US-09-986-621-9	Sequence 9, Appli
251	5	31.2	1275	4	US-09-252-991A-516	Sequence 516, App	Sequence 516, App	5	1650	1	US-08-354-240A-1	Sequence 1, Appli
252	5	31.2	1281	4	US-09-369-247-20	Sequence 20, Appl	Sequence 20, Appl	5	1654	4	US-09-221-017B-326	Sequence 326, App
253	5	31.2	1284	4	US-09-252-991A-5198	Sequence 5198, Ap	Sequence 5198, Ap	5	1660	4	US-09-996-243-176	Sequence 176, App
254	5	31.2	1287	4	US-09-134-001C-105	Sequence 105, App	Sequence 105, App	5	1662	3	US-09-344-700-1	Sequence 1, Appli
255	5	31.2	1290	4	US-09-107-532A-3187	Sequence 3187, Ap	Sequence 3187, Ap	5	1668	4	US-09-252-991A-4033	Sequence 4033, Ap
256	5	31.2	1302	4	US-09-134-001C-828	Sequence 828, App	Sequence 828, App	5	1676	4	US-08-936-165A-212	Sequence 212, App
257	5	31.2	1306	2	US-08-827-190-12	Sequence 12, Appl	Sequence 12, Appl	5	1689	4	US-09-124-238A-22	Sequence 22, Appl
258	5	31.2	1306	4	US-09-170-187-12	Sequence 12, Appl	Sequence 12, Appl	5	1689	4	US-09-721-975-22	Sequence 22, Appl
259	5	31.2	1310	4	US-09-501-115-19	Sequence 19, Appl	Sequence 19, Appl	5	1689	4	US-09-986-621-22	Sequence 22, Appl
260	5	31.2	1311	4	US-09-675-305-9	Sequence 9, Appli	Sequence 9, Appli	5	1692	4	US-09-601-198-63	Sequence 63, Appl
261	5	31.2	1320	4	US-09-252-991A-3999	Sequence 3999, Ap	Sequence 3999, Ap	5	1701	1	US-07-939-501A-11	Sequence 11, Appl
262	5	31.2	1326	4	US-09-328-352-1300	Sequence 1300, Ap	Sequence 1300, Ap	5	1710	4	US-09-134-001C-2735	Sequence 2735, Ap
263	5	31.2	1326	4	US-09-328-352-2243	Sequence 2243, Ap	Sequence 2243, Ap	5	1716	4	US-09-620-312D-922	Sequence 922, App
264	5	31.2	1329	4	US-09-107-532A-886	Sequence 886, App	Sequence 886, App	5	1722	3	US-08-691-563C-58	Sequence 58, Appl
265	5	31.2	1332	4	US-09-134-001C-1374	Sequence 1374, A	Sequence 1374, A	5	1722	3	US-08-718-425-1	Sequence 1, Appli
266	5	31.2	1338	4	US-09-252-991A-12084	Sequence 12084, A	Sequence 12084, A	5	1722	3	US-08-875-277A-1	Sequence 1, Appli
267	5	31.2	1341	4	US-09-252-991A-614	Sequence 614, App	Sequence 614, App	5	1722	3	US-09-380-061B-1	Sequence 1, Appli
268	5	31.2	1356	4	US-09-107-532A-2998	Sequence 2998, Ap	Sequence 2998, Ap	5	1722	4	US-09-374-766-58	Sequence 58, Appl
269	5	31.2	1381	3	US-09-426-557-5	Sequence 5, Appli	Sequence 5, Appli	5	1722	4	US-08-979-847B-54	Sequence 54, Appl
270	5	31.2	1404	3	US-09-328-352-1599	Sequence 1599, Ap	Sequence 1599, Ap	5	1725	1	US-08-257-073-14	Sequence 14, Appl
271	5	31.2	1409	3	US-08-855-910-12	Sequence 12, Appl	Sequence 12, Appl	5	1747	4	US-09-620-312D-1062	Sequence 1062, Ap
272	5	31.2	1430	3	US-09-499-505-3	Sequence 3, Appli	Sequence 3, Appli	5	1749	4	US-09-252-991A-3910	Sequence 3910, Ap
273	5	31.2	1430	3	US-09-626-410-3	Sequence 3, Appli	Sequence 3, Appli	5	1758	4	US-09-134-001C-2077	Sequence 2077, Ap
274	5	31.2	1430	4	US-09-116-188-3	Sequence 3, Appli	Sequence 3, Appli	5	1767	1	US-08-399-646-1	Sequence 1, Appli
275	5	31.2	1430	4	US-09-626-047-3	Sequence 3, Appli	Sequence 3, Appli	5	1767	1	US-08-607-321-1	Sequence 1, Appli
276	5	31.2	1430	4	US-09-626-343-3	Sequence 3, Appli	Sequence 3, Appli	5	1767	2	US-08-961-240-1	Sequence 1, Appli
277	5	31.2	1430	4	US-09-354-922-4	Sequence 4, Appli	Sequence 4, Appli	5	1787	1	US-08-605-501-1	Sequence 1, Appli
278	5	31.2	1430	4	US-09-516-051-3	Sequence 3, Appli	Sequence 3, Appli	5	1787	1	US-08-278-630A-13	Sequence 13, Appl
279	5	31.2	1445	4	US-09-814-951A-1	Sequence 1, Appli	Sequence 1, Appli	5	1789	4	US-09-032-297A-6	Sequence 6, Appli
280	5	31.2	1449	3	US-09-027-166-6	Sequence 6, Appli	Sequence 6, Appli	5	1798	4	US-09-446-402A-16	Sequence 16, Appl
281	5	31.2	1463	3	US-09-426-557-1	Sequence 1, Appli	Sequence 1, Appli	5	1803	3	US-08-657-868B-2	Sequence 2, Appli
282	5	31.2	1477	4	US-09-620-312D-831	Sequence 831, App	Sequence 831, App	5	1803	4	US-09-532-180A-2	Sequence 2, Appli
283	5	31.2	1478	3	US-09-426-557-7	Sequence 7, Appli	Sequence 7, Appli	5	1805	4	US-08-961-527-247	Sequence 247, App
284	5	31.2	1485	3	US-09-499-505-1	Sequence 1, Appli	Sequence 1, Appli	5	1810	3	US-08-657-868B-3	Sequence 3, Appli
285	5	31.2	1485	3	US-09-626-410-1	Sequence 1, Appli	Sequence 1, Appli	5	1810	4	US-09-532-180A-3	Sequence 3, Appli
286	5	31.2	1485	4	US-09-116-188-1	Sequence 1, Appli	Sequence 1, Appli	5	1811	3	US-08-867-352-22	Sequence 22, Appl
287	5	31.2	1485	4	US-09-626-047-1	Sequence 1, Appli	Sequence 1, Appli	5	1829	3	US-08-657-868B-1	Sequence 1, Appli
288	5	31.2	1485	4	US-09-626-343-1	Sequence 1, Appli	Sequence 1, Appli	5	1832	4	US-09-532-180A-1	Sequence 1, Appli
289	5	31.2	1485	4	US-09-516-051-2	Sequence 2, Appli	Sequence 2, Appli	5	1838	4	US-08-487-183A-9	Sequence 9, Appli
290	5	31.2	1485	4	US-09-516-051-1	Sequence 1, Appli	Sequence 1, Appli	5	1842	4	US-09-328-352-3836	Sequence 3836, Ap
291	5	31.2	1488	4	US-09-124-238A-8	Sequence 8, Appli	Sequence 8, Appli	5	1857	3	US-09-299-378-3	Sequence 3, Appli
292	5	31.2	1488	4	US-09-721-975-8	Sequence 8, Appli	Sequence 8, Appli	5	1857	3	US-09-035-648-20	Sequence 20, Appl
293	5	31.2	1488	4	US-09-986-621-8	Sequence 8, Appli	Sequence 8, Appli	5	1888	3	US-09-001-951-20	Sequence 20, Appl
294	5	31.2	1490	2	US-09-032-297A-5	Sequence 5, Appli	Sequence 5, Appli	5	1888	4	US-08-818-823-20	Sequence 20, Appl
295	5	31.2	1491	2	US-08-949-637-1	Sequence 1, Appli	Sequence 1, Appli	5	1912	1	US-08-270-019B-1	Sequence 1, Appli
296	5	31.2	1491	3	US-09-291-488-1	Sequence 1, Appli	Sequence 1, Appli	5	1912	1	US-08-838-418-1	Sequence 1, Appli
297	5	31.2	1500	4	US-09-107-532A-207	Sequence 207, App	Sequence 207, App	5	1923	4	US-09-252-991A-6681	Sequence 6681, Ap
298	5	31.2	1503	4	US-09-215-694-36	Sequence 36, Appl	Sequence 36, Appl	5	1924	3	US-08-961-083-159	Sequence 159, App
299	5	31.2	1509	4	US-09-328-352-2561	Sequence 2561, Ap	Sequence 2561, Ap	5	1924	4	US-09-536-784-159	Sequence 159, App
300	5	31.2	1509	4	US-09-107-532A-1093	Sequence 1093, Ap	Sequence 1093, Ap	5	1968	4	US-08-961-527-119	Sequence 119, App
301	5	31.2	1511	4	US-09-634-338-58	Sequence 58, Appl	Sequence 58, Appl	5	1974	4	US-09-221-017B-726	Sequence 726, App
302	5	31.2	1518	3	US-08-695-987-1	Sequence 1, Appli	Sequence 1, Appli	5	1974	4	US-09-252-991A-6585	Sequence 6585, Ap
303	5	31.2	1518	3	US-08-695-987-3	Sequence 3, Appli	Sequence 3, Appli	5	1980	1	US-08-278-630A-12	Sequence 12, Appl
304	5	31.2	1518	4	US-09-421-238-1	Sequence 1, Appli	Sequence 1, Appli	5	1980	2	US-08-804-794-1	Sequence 1, Appli

C 378	5	31.2	1980	3	US-09-299-450-1	Sequence 1, Appli	451	5	31.2	2192	4	US-09-221-017B-1027	Sequence 1027, Ap
C 379	5	31.2	1983	3	US-09-181-706-7	Sequence 7, Appli	C 452	5	31.2	2205	4	US-09-107-532A-1546	Sequence 1546, Ap
C 380	5	31.2	1983	3	US-09-458-791-7	Sequence 7, Appli	C 453	5	31.2	2224	1	US-08-404-732A-8	Sequence 8, Appli
C 381	5	31.2	1983	3	US-09-459-066-7	Sequence 7, Appli	C 454	5	31.2	2250	4	US-09-328-352-3462	Sequence 3462, Ap
C 382	5	31.2	1983	4	US-09-459-066-7	Sequence 7, Appli	C 455	5	31.2	2255	1	US-08-423-564-1	Sequence 1, Appli
C 383	5	31.2	1983	4	US-08-714-741-35	Sequence 35, Appli	C 456	5	31.2	2266	1	US-08-453-472-1	Sequence 1, Appli
C 384	5	31.2	1990	4	US-09-252-991A-6684	Sequence 684, Ap	C 457	5	31.2	2266	1	US-08-453-952-1	Sequence 1, Appli
C 385	5	31.2	1993	1	US-08-487-890A-108	Sequence 108, App	C 458	5	31.2	2266	2	US-08-484-993B-42	Sequence 42, Appli
C 386	5	31.2	1993	2	US-08-478-435-108	Sequence 108, App	C 459	5	31.2	2266	2	US-08-862-903-1	Sequence 1, Appli
C 387	5	31.2	1993	2	US-08-337-483-108	Sequence 108, App	C 460	5	31.2	2266	2	US-08-484-158B-42	Sequence 42, Appli
C 388	5	31.2	1993	2	US-08-478-373-108	Sequence 108, App	C 461	5	31.2	2266	2	US-08-484-586A-42	Sequence 42, Appli
C 389	5	31.2	1993	3	US-08-474-671-108	Sequence 108, App	C 462	5	31.2	2266	2	US-08-480-150A-42	Sequence 42, Appli
C 390	5	31.2	1993	3	US-08-483-577A-108	Sequence 108, App	C 463	5	31.2	2266	3	US-08-458-731-42	Sequence 42, Appli
C 391	5	31.2	1993	3	US-08-897-438-108	Sequence 108, App	C 464	5	31.2	2266	3	US-08-149-223A-42	Sequence 42, Appli
C 392	5	31.2	1993	4	US-08-637-654-108	Sequence 108, App	C 465	5	31.2	2286	4	US-09-328-352-1524	Sequence 1524, Ap
C 393	5	31.2	1993	4	US-08-649-518-108	Sequence 108, App	C 466	5	31.2	2287	3	US-08-845-258-8	Sequence 8, Appli
C 394	5	31.2	2004	1	US-08-471-033-6	Sequence 6, Appli	C 467	5	31.2	2287	3	US-08-990-571-8	Sequence 8, Appli
C 395	5	31.2	2004	2	US-08-471-044-6	Sequence 6, Appli	C 468	5	31.2	2287	4	US-08-723-142A-8	Sequence 8, Appli
C 396	5	31.2	2004	2	US-08-463-483A-6	Sequence 6, Appli	C 469	5	31.2	2287	4	US-09-528-784A-8	Sequence 8, Appli
C 397	5	31.2	2004	2	US-08-471-046A-6	Sequence 6, Appli	C 470	5	31.2	2287	4	US-09-569-098A-8	Sequence 8, Appli
C 398	5	31.2	2004	2	US-08-470-566B-6	Sequence 6, Appli	C 471	5	31.2	2306	1	US-08-378-698-3	Sequence 3, Appli
C 399	5	31.2	2004	2	US-08-469-334-6	Sequence 6, Appli	C 472	5	31.2	2306	5	PCT-US96-00728-3	Sequence 3, Appli
C 400	5	31.2	2007	3	US-08-300-529-6	Sequence 6, Appli	C 473	5	31.2	2380	6	5268463-1	Patent No. 5268463
C 401	5	31.2	2007	3	US-08-747-221B-36	Sequence 36, Appli	C 474	5	31.2	2387	4	US-09-602-628-11	Sequence 11, Appli
C 402	5	31.2	2007	3	US-08-747-221B-38	Sequence 38, Appli	C 475	5	31.2	2405	3	US-08-549-846-3	Sequence 3, Appli
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C 407	5	31.2	2026	3	US-08-265-315-103	Sequence 103, App	C 480	5	31.2	2432	3	US-08-795-445A-1	Sequence 1, Appli
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C 413	5	31.2	2060	3	US-08-370-807-1	Sequence 1, Appli	C 486	5	31.2	2434	3	US-08-521-872-15	Sequence 15, Appli
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C 419	5	31.2	2085	1	US-08-465-746-1	Sequence 1, Appli	C 492	5	31.2	2569	1	US-08-631-607-1	Sequence 1, Appli
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C 421	5	31.2	2085	1	US-08-469-434-1	Sequence 1, Appli	C 494	5	31.2	2573	3	US-08-714-918-17	Sequence 17, Appli
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C 423	5	31.2	2085	2	US-08-467-852A-1	Sequence 1, Appli	C 496	5	31.2	2573	3	US-09-265-315-17	Sequence 17, Appli
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C 425	5	31.2	2085	2	US-08-468-718-1	Sequence 1, Appli	C 498	5	31.2	2573	3	US-09-265-315-17	Sequence 17, Appli
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C 427	5	31.2	2085	2	US-08-319-795-1	Sequence 1, Appli	C 500	5	31.2	2573	3	US-09-266-417-17	Sequence 17, Appli
C 428	5	31.2	2085	3	US-08-468-985-1	Sequence 1, Appli	C 501	5	31.2	2573	3	US-09-266-417-64	Sequence 64, Appli
C 429	5	31.2	2085	3	US-08-312-949-1	Sequence 1, Appli	C 502	5	31.2	2574	4	US-09-255-829-21	Sequence 21, Appli
C 430	5	31.2	2086	3	US-08-446-201-2	Sequence 2, Appli	C 503	5	31.2	2574	4	US-09-255-829-27	Sequence 27, Appli
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C 435	5	31.2	2128	4	US-09-675-305-13	Sequence 13, Appli	C 508	5	31.2	2636	3	US-09-370-807-5	Sequence 5, Appli
C 436	5	31.2	2133	4	US-08-107-532A-1413	Sequence 1413, Ap	C 509	5	31.2	2636	4	US-09-921-259-5	Sequence 5, Appli
C 437	5	31.2	2148	4	US-08-107-532A-565	Sequence 565, App	C 510	5	31.2	2645	3	US-08-960-780-31	Sequence 31, Appli
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C 439	5	31.2	2160	2	US-08-840-236-5	Sequence 5, Appli	C 512	5	31.2	2645	3	US-09-371-913A-1	Sequence 1, Appli
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C 442	5	31.2	2161	1	US-08-399-646-11	Sequence 11, Appli	C 515	5	31.2	2655	2	US-08-471-044-4	Sequence 4, Appli
C 443	5	31.2	2161	1	US-08-607-321-11	Sequence 11, Appli	C 516	5	31.2	2655	2	US-08-463-483A-4	Sequence 4, Appli
C 444	5	31.2	2161	2	US-08-961-240-11	Sequence 11, Appli	C 517	5	31.2	2655	2	US-08-471-046A-4	Sequence 4, Appli
C 445	5	31.2	2161	3	US-08-605-501-11	Sequence 11, Appli	C 518	5	31.2	2655	2	US-08-470-566B-4	Sequence 4, Appli
C 446	5	31.2	2162	3	US-09-013-881-9	Sequence 9, Appli	C 519	5	31.2	2655	2	US-08-469-334-4	Sequence 4, Appli
C 447	5	31.2	2162	4	US-09-612-473-9	Sequence 9, Appli	C 520	5	31.2	2655	3	US-09-300-529-4	Sequence 4, Appli
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C 449	5	31.2	2175	4	US-09-107-532A-3382	Sequence 3382, Ap	C 522	5	31.2	2676	4	US-09-484-970B-41	Sequence 41, Appli
C 450	5	31.2	2183	4	US-09-153-277-1	Sequence 1, Appli	C 523	5	31.2	2699	4	US-09-336-115C-3	Sequence 3, Appli

C 524	5	31.2	2702	4	US-08-987-146-4	Sequence 4, Appl	Sequence 4, Appl	5	31.2	4041	2	US-08-469-334-22	Sequence 22, Appl
C 525	5	31.2	2715	4	US-09-340-620A-53	Sequence 53, Appl	Sequence 53, Appl	5	31.2	4041	3	US-09-300-529-22	Sequence 22, Appl
C 526	5	31.2	2718	3	US-09-074-658-69	Sequence 69, Appl	Sequence 69, Appl	5	31.2	4071	4	US-09-703-057C-5	Sequence 5, Appl
C 527	5	31.2	2736	4	US-09-252-991A-3358	Sequence 3358, Ap	Sequence 3358, Ap	5	31.2	4106	2	US-08-702-572-14	Sequence 14, Appl
C 528	5	31.2	2739	4	US-09-134-001C-1556	Sequence 1556, App	Sequence 1556, App	5	31.2	4165	1	US-08-095-737-1	Sequence 1, Appl
C 529	5	31.2	2787	4	US-09-328-352-977	Sequence 977, App	Sequence 977, App	5	31.2	4165	1	US-08-480-145-1	Sequence 1, Appl
C 530	5	31.2	2802	1	US-08-215-805A-79	Sequence 79, App	Sequence 79, App	5	31.2	4165	1	US-08-477-389-1	Sequence 1, Appl
C 531	5	31.2	2807	4	US-09-453-702B-51	Sequence 51, Appl	Sequence 51, Appl	5	31.2	4256	1	US-08-505-509-31	Sequence 31, Appl
C 532	5	31.2	2809	1	US-08-484-105-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	4256	1	US-08-491-690A-31	Sequence 31, Appl
C 533	5	31.2	2809	1	US-08-484-106-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	4284	1	US-08-525-507-14	Sequence 14, Appl
C 534	5	31.2	2815	1	US-08-230-491A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4284	1	US-08-455-073A-1	Sequence 1, Appl
C 535	5	31.2	2815	1	US-08-619-380A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4362	2	US-08-488-270A-1	Sequence 1, Appl
C 536	5	31.2	2815	2	US-08-940-391-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4362	2	US-08-488-270A-1	Sequence 1, Appl
C 537	5	31.2	2848	2	US-08-805-918-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4407	4	US-08-576-259-75	Sequence 75, Appl
C 538	5	31.2	2870	1	US-08-468-036-28	Sequence 28, Appl	Sequence 28, Appl	5	31.2	4499	4	US-09-620-312D-678	Sequence 678, App
C 539	5	31.2	2870	1	US-08-376-843-28	Sequence 28, Appl	Sequence 28, Appl	5	31.2	4499	4	US-09-620-312D-679	Sequence 679, App
C 540	5	31.2	2900	4	US-09-066-047-17	Sequence 17, Appl	Sequence 17, Appl	5	31.2	4544	4	US-09-488-270A-1	Sequence 1, Appl
C 541	5	31.2	2955	4	US-09-350-457A-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	4544	4	US-09-488-270A-1	Sequence 1, Appl
C 542	5	31.2	2966	4	US-09-559-098A-103	Sequence 103, App	Sequence 103, App	5	31.2	4629	2	US-08-484-891-7	Sequence 7, Appl
C 543	5	31.2	3001	4	US-08-539-333D-171	Sequence 171, App	Sequence 171, App	5	31.2	4670	3	US-08-717-294-41	Sequence 41, Appl
C 544	5	31.2	3035	2	US-08-723-624-18	Sequence 18, Appl	Sequence 18, Appl	5	31.2	4673	1	US-07-638-431-1	Sequence 1, Appl
C 545	5	31.2	3055	1	US-08-236-754-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4673	1	US-09-620-312D-677	Sequence 1, Appl
C 546	5	31.2	3060	4	US-09-115-150-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	4724	4	PCT-US92-00018-1	Sequence 1, Appl
C 547	5	31.2	3061	3	US-09-620-312D-140	Sequence 140, App	Sequence 140, App	5	31.2	4732	6	US-09-620-312D-677	Sequence 1, Appl
C 548	5	31.2	3081	3	US-09-319-989-9	Sequence 9, Appl	Sequence 9, Appl	5	31.2	4884	4	US-09-328-352-2478	Sequence 2478, Ap
C 549	5	31.2	3095	6	5231168-1	Patent No. 5231168	Patent No. 5231168	5	31.2	4884	4	US-09-328-352-2478	Sequence 2478, Ap
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C 551	5	31.2	3108	3	US-09-536-224-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	4999	3	US-09-470-618-14	Sequence 14, Appl
C 552	5	31.2	3114	3	US-09-107-149-18	Sequence 18, Appl	Sequence 18, Appl	5	31.2	5035	2	US-08-882-083-1	Sequence 1, Appl
C 553	5	31.2	3169	3	US-08-630-820-5	Sequence 5, Appl	Sequence 5, Appl	5	31.2	5035	2	US-08-882-083-1	Sequence 1, Appl
C 554	5	31.2	3198	4	US-09-328-352-3938	Sequence 3938, Ap	Sequence 3938, Ap	5	31.2	5055	4	US-09-243-539-1	Sequence 1, Appl
C 555	5	31.2	3222	3	US-08-968-752B-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5055	4	US-09-243-539-1	Sequence 1, Appl
C 556	5	31.2	3222	4	US-09-536-224-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5102	4	US-09-620-312D-141	Sequence 141, Appl
C 557	5	31.2	3255	4	US-09-601-198-108	Sequence 108, App	Sequence 108, App	5	31.2	5157	2	US-08-474-169-7	Sequence 7, Appl
C 558	5	31.2	3255	4	US-09-601-198-108	Sequence 108, App	Sequence 108, App	5	31.2	5157	2	US-08-474-169-7	Sequence 7, Appl
C 559	5	31.2	3260	4	US-09-221-017B-980	Sequence 980, App	Sequence 980, App	5	31.2	5252	4	US-09-340-620A-51	Sequence 51, Appl
C 560	5	31.2	3262	4	US-09-620-312D-139	Sequence 139, App	Sequence 139, App	5	31.2	5252	4	US-09-340-620A-51	Sequence 51, Appl
C 561	5	31.2	3340	4	US-09-021-560-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5305	4	US-08-961-527-135	Sequence 135, App
C 562	5	31.2	3345	4	US-09-107-532A-1602	Sequence 1602, Ap	Sequence 1602, Ap	5	31.2	5305	4	US-08-961-527-135	Sequence 135, App
C 563	5	31.2	3360	3	US-09-319-989-8	Sequence 8, Appl	Sequence 8, Appl	5	31.2	5406	4	US-09-282-996-1	Sequence 1, Appl
C 564	5	31.2	3396	4	US-09-601-198-74	Sequence 74, Appl	Sequence 74, Appl	5	31.2	5406	4	US-09-282-996-1	Sequence 1, Appl
C 565	5	31.2	3434	4	US-09-439-313-476	Sequence 476, App	Sequence 476, App	5	31.2	5423	3	US-08-961-527-166	Sequence 166, App
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C 568	5	31.2	3463	4	US-09-533-220A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5433	3	US-09-282-996-2	Sequence 2, Appl
C 569	5	31.2	3467	4	US-09-286-524-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5433	3	US-09-282-996-2	Sequence 2, Appl
C 570	5	31.2	3471	3	US-08-965-729A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5529	3	US-08-869-696-1	Sequence 1, Appl
C 571	5	31.2	3483	4	US-09-328-352-2331	Sequence 2331, Ap	Sequence 2331, Ap	5	31.2	5529	3	US-08-869-696-1	Sequence 1, Appl
C 572	5	31.2	3509	4	US-09-255-629-19	Sequence 19, App	Sequence 19, App	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 573	5	31.2	3546	3	US-08-872-757-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 574	5	31.2	3546	3	US-08-872-757-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 575	5	31.2	3585	3	US-08-549-846-2	Sequence 2, Appl	Sequence 2, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 576	5	31.2	3701	3	US-08-845-558-10	Sequence 10, Appl	Sequence 10, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 577	5	31.2	3701	3	US-08-990-571-10	Sequence 10, Appl	Sequence 10, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 578	5	31.2	3701	4	US-08-723-142A-10	Sequence 10, Appl	Sequence 10, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 579	5	31.2	3701	4	US-08-528-784A-10	Sequence 10, Appl	Sequence 10, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 580	5	31.2	3701	4	US-09-569-098A-10	Sequence 10, Appl	Sequence 10, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 581	5	31.2	3706	4	US-08-913-159-9	Sequence 9, Appl	Sequence 9, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 582	5	31.2	3752	4	US-08-961-527-208	Sequence 208, App	Sequence 208, App	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 583	5	31.2	3765	3	US-07-705-490-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 584	5	31.2	3765	3	US-07-751-891B-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 585	5	31.2	3824	4	US-08-723-624-19	Sequence 19, App	Sequence 19, App	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 586	5	31.2	3831	4	US-08-961-527-291	Sequence 291, App	Sequence 291, App	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 587	5	31.2	3848	1	US-08-215-805A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 588	5	31.2	3989	1	US-08-327-494A-1	Sequence 1, Appl	Sequence 1, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 589	5	31.2	3989	1	US-08-327-494A-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 590	5	31.2	3989	5	PCT-US95-13659-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 591	5	31.2	3989	5	PCT-US95-13659-3	Sequence 3, Appl	Sequence 3, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 592	5	31.2	4041	1	US-08-471-033-22	Sequence 22, Appl	Sequence 22, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 593	5	31.2	4041	2	US-08-471-044-22	Sequence 22, Appl	Sequence 22, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 594	5	31.2	4041	2	US-08-463-483A-22	Sequence 22, Appl	Sequence 22, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 595	5	31.2	4041	2	US-08-471-046A-22	Sequence 22, Appl	Sequence 22, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 596	5	31.2	4041	2	US-08-470-566B-22	Sequence 22, Appl	Sequence 22, Appl	5	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl

C 670	5	31.2	6049	2	US-08-471-046A-1	Sequence 1, Appli	743	5	31.2	9408	4	US-09-097-319A-16	Sequence 16, Appl
C 671	5	31.2	6049	2	US-08-470-566B-1	Sequence 1, Appli	C 744	5	31.2	9578	4	US-08-961-527-127	Sequence 127, App
C 672	5	31.2	6049	2	US-08-469-334-1	Sequence 1, Appli	C 745	5	31.2	9641	2	US-08-374-483-3	Sequence 3, Appli
C 673	5	31.2	6049	3	US-09-300-529-1	Sequence 1, Appli	C 746	5	31.2	9704	4	US-09-814-951A-3	Sequence 3, Appli
C 674	5	31.2	6092	2	US-08-536-559A-1	Sequence 1, Appli	C 747	5	31.2	9785	1	US-08-319-387-1	Sequence 1, Appli
C 675	5	31.2	6092	3	US-08-862-431-26	Sequence 26, Appl	C 748	5	31.2	9828	4	US-08-961-527-41	Sequence 41, Appl
C 676	5	31.2	6171	1	US-08-316-950-17	Sequence 17, Appl	C 749	5	31.2	9897	4	US-08-961-527-10	Sequence 10, Appl
C 677	5	31.2	6171	5	PCT-US95-12642-17	Sequence 17, Appl	C 750	5	31.2	10160	4	US-09-097-319A-8	Sequence 8, Appli
C 678	5	31.2	6420	2	US-08-374-483-1	Sequence 1, Appli	C 751	5	31.2	10160	4	US-09-097-319A-8	Sequence 8, Appli
C 679	5	31.2	6506	4	US-09-453-702B-1	Sequence 1, Appli	C 752	5	31.2	10207	1	US-08-920-812-2	Sequence 2, Appli
C 680	5	31.2	6527	4	US-09-492-308A-3	Sequence 3, Appli	C 753	5	31.2	10207	1	US-08-920-812-2	Sequence 2, Appli
C 681	5	31.2	6529	3	US-08-789-329C-1	Sequence 1, Appli	C 754	5	31.2	10207	1	US-08-921-177-2	Sequence 2, Appli
C 682	5	31.2	6574	4	US-09-221-017B-1097	Sequence 1097, Ap	C 755	5	31.2	10207	1	US-08-362-577C-2	Sequence 2, Appli
C 683	5	31.2	6799	4	US-09-620-312D-299	Sequence 299, App	C 756	5	31.2	10207	2	US-08-920-828-2	Sequence 2, Appli
C 684	5	31.2	6898	4	US-09-097-319A-27	Sequence 27, Appl	C 757	5	31.2	10690	4	US-08-961-527-93	Sequence 93, Appl
C 685	5	31.2	6999	1	US-08-276-594A-1	Sequence 1, Appli	C 758	5	31.2	11091	4	US-09-134-001C-2243	Sequence 2243, Ap
C 686	5	31.2	7056	1	US-08-121-202-1	Sequence 1, Appli	C 759	5	31.2	11303	4	US-08-961-527-115	Sequence 115, App
C 687	5	31.2	7215	4	US-09-134-001C-627	Sequence 627, App	C 760	5	31.2	11616	1	US-08-196-259-2	Sequence 2, Appli
C 688	5	31.2	7244	3	US-08-378-313-26	Sequence 26, Appl	C 761	5	31.2	11707	3	US-09-136-574A-1	Sequence 1, Appli
C 689	5	31.2	7244	3	US-08-378-313-26	Sequence 26, Appl	C 762	5	31.2	11784	4	US-09-097-319A-9	Sequence 9, Appli
C 690	5	31.2	7308	3	US-09-011-745-3	Sequence 3, Appli	C 763	5	31.2	11784	4	US-09-097-319A-9	Sequence 9, Appli
C 691	5	31.2	7308	3	US-09-011-745-4	Sequence 4, Appli	C 764	5	31.2	11933	3	US-09-470-618-13	Sequence 13, Appl
C 692	5	31.2	7486	4	US-09-077-098A-5	Sequence 5, Appli	C 765	5	31.2	11933	3	US-09-364-862-13	Sequence 13, Appl
C 693	5	31.2	7616	3	US-09-011-745-2	Sequence 2, Appli	C 766	5	31.2	11991	4	US-09-097-319A-10	Sequence 10, Appl
C 694	5	31.2	7653	2	US-08-394-189B-1	Sequence 1, Appli	C 767	5	31.2	11991	4	US-09-097-319A-10	Sequence 10, Appl
C 695	5	31.2	7653	3	US-08-258-287B-1	Sequence 1, Appli	C 768	5	31.2	12225	2	US-08-822-445-11	Sequence 11, Appl
C 696	5	31.2	7653	3	US-08-368-704C-1	Sequence 1, Appli	C 769	5	31.2	12225	4	US-09-396-540-11	Sequence 11, Appl
C 697	5	31.2	7653	5	PCT-US93-05701-18	Sequence 18, Appl	C 770	5	31.2	12571	4	US-09-323-478-20	Sequence 20, Appl
C 698	5	31.2	7653	5	PCT-US93-05701-1	Sequence 1, Appli	C 771	5	31.2	12571	4	US-08-822-445-9	Sequence 9, Appli
C 699	5	31.2	7742	4	US-08-882-704A-4	Sequence 4, Appli	C 772	5	31.2	12616	2	US-08-822-445-9	Sequence 9, Appli
C 700	5	31.2	7742	4	US-09-151-957-4	Sequence 4, Appli	C 773	5	31.2	12616	2	US-08-961-527-70	Sequence 70, Appl
C 701	5	31.2	7939	4	US-08-961-527-9	Sequence 9, Appli	C 774	5	31.2	13188	4	US-08-652-877-85	Sequence 85, Appl
C 702	5	31.2	7959	4	US-09-231-899-77	Sequence 77, Appl	C 775	5	31.2	14042	3	US-08-652-877-85	Sequence 85, Appl
C 703	5	31.2	8012	3	US-09-182-117-1	Sequence 1, Appli	C 776	5	31.2	14042	3	US-08-652-877-87	Sequence 87, Appl
C 704	5	31.2	8012	4	US-09-434-039A-1	Sequence 1, Appli	C 777	5	31.2	14080	3	US-08-476-515A-83	Sequence 83, Appl
C 705	5	31.2	8106	3	US-09-135-241-1	Sequence 1, Appli	C 778	5	31.2	14086	3	US-08-652-877-83	Sequence 83, Appl
C 706	5	31.2	8195	4	US-08-961-527-94	Sequence 94, Appl	C 779	5	31.2	14176	1	US-08-307-499-14	Sequence 14, Appl
C 707	5	31.2	8202	1	US-08-258-420-13	Sequence 13, Appl	C 780	5	31.2	14176	1	US-08-307-499-14	Sequence 14, Appl
C 708	5	31.2	8241	6	5171844-1	Patent No. 5171844	C 781	5	31.2	14176	3	US-09-299-268-1	Sequence 14, Appl
C 709	5	31.2	8302	4	US-09-234-827B-1	Sequence 1, Appli	C 782	5	31.2	14176	3	US-09-299-268-14	Sequence 14, Appl
C 710	5	31.2	8332	3	US-08-850-961-1	Sequence 1, Appli	C 783	5	31.2	14187	2	US-09-453-702B-121	Sequence 121, App
C 711	5	31.2	8332	4	US-09-479-776-1	Sequence 1, Appli	C 784	5	31.2	14683	2	US-08-819-866-1	Sequence 1, Appli
C 712	5	31.2	8332	4	US-09-309-572-11	Sequence 11, Appl	C 785	5	31.2	14683	2	US-09-023-715-1	Sequence 1, Appli
C 713	5	31.2	8332	4	US-09-315-127-1	Sequence 1, Appli	C 786	5	31.2	14683	4	US-09-343-485A-1	Sequence 1, Appli
C 714	5	31.2	8332	4	US-09-265-013-1	Sequence 1, Appli	C 787	5	31.2	15016	4	US-09-601-198-60	Sequence 60, Appl
C 715	5	31.2	8332	4	US-09-554-572-25	Sequence 25, Appl	C 788	5	31.2	15144	3	US-08-458-434A-6	Sequence 6, Appli
C 716	5	31.2	8351	1	US-08-198-446B-14	Sequence 14, Appl	C 789	5	31.2	15213	4	US-08-961-527-26	Sequence 26, Appl
C 717	5	31.2	8351	2	US-08-870-693-14	Sequence 14, Appl	C 790	5	31.2	15222	2	US-08-801-898A-23	Sequence 23, Appl
C 718	5	31.2	8355	3	US-08-406-030A-23	Sequence 23, Appl	C 791	5	31.2	15222	3	US-08-962-690-12	Sequence 12, Appl
C 719	5	31.2	8387	2	US-08-532-814-1	Sequence 1, Appli	C 792	5	31.2	15223	3	US-08-892-403A-1	Sequence 1, Appli
C 720	5	31.2	8388	4	US-09-225-509-1	Sequence 1, Appli	C 793	5	31.2	15223	3	US-08-720-132-1	Sequence 3, Appli
C 721	5	31.2	8418	3	US-09-182-117-5	Sequence 5, Appli	C 794	5	31.2	15267	4	US-09-627-376-3	Sequence 3, Appli
C 722	5	31.2	8418	4	US-09-434-039A-5	Sequence 5, Appli	C 795	5	31.2	16950	4	US-09-453-702B-166	Sequence 166, App
C 723	5	31.2	8439	4	US-09-221-017B-473	Sequence 473, App	C 796	5	31.2	16986	2	US-08-819-866-2	Sequence 2, Appli
C 724	5	31.2	8543	3	US-08-496-944-1	Sequence 1, Appli	C 797	5	31.2	16986	2	US-09-023-715-2	Sequence 2, Appli
C 725	5	31.2	8798	3	US-09-182-117-4	Sequence 4, Appli	C 798	5	31.2	16986	4	US-09-343-485A-2	Sequence 2, Appli
C 726	5	31.2	8798	4	US-09-434-039A-4	Sequence 4, Appli	C 799	5	31.2	19040	4	US-09-343-485A-3	Sequence 3, Appli
C 727	5	31.2	8930	4	US-09-077-098A-1	Sequence 1, Appli	C 800	5	31.2	19227	3	US-09-090-793-13	Sequence 13, Appl
C 728	5	31.2	8967	1	US-08-366-851A-1	Sequence 1, Appli	C 801	5	31.2	19227	3	US-09-231-899-13	Sequence 13, Appl
C 729	5	31.2	9009	1	US-07-864-004B-3	Sequence 3, Appli	C 802	5	31.2	20598	4	US-09-593-995-10	Sequence 10, Appl
C 730	5	31.2	9009	1	US-08-251-037A-3	Sequence 3, Appli	C 803	5	31.2	21706	4	US-08-961-527-36	Sequence 36, Appl
C 731	5	31.2	9009	1	US-08-212-133A-1	Sequence 1, Appli	C 804	5	31.2	22108	3	US-09-053-197A-3	Sequence 3, Appli
C 732	5	31.2	9009	1	US-08-474-503-1	Sequence 1, Appli	C 805	5	31.2	22108	4	US-09-085-761A-3	Sequence 3, Appli
C 733	5	31.2	9009	1	US-08-670-707A-1	Sequence 1, Appli	C 806	5	31.2	22846	2	US-08-469-461-3	Sequence 3, Appli
C 734	5	31.2	9009	3	US-09-037-601-1	Sequence 1, Appli	C 807	5	31.2	22846	3	US-07-890-609-3	Sequence 3, Appli
C 735	5	31.2	9009	4	US-09-315-179-1	Sequence 1, Appli	C 808	5	31.2	30549	4	US-09-134-001C-322	Sequence 322, App
C 736	5	31.2	9009	4	US-08-523-656-1	Sequence 1, Appli	C 809	5	31.2	31328	4	US-09-215-694-19	Sequence 19, App
C 737	5	31.2	9009	5	PCT-US93-03275-3	Sequence 3, Appli	C 810	5	31.2	32798	4	US-09-604-694B-1	Sequence 1, Appli
C 738	5	31.2	9009	5	PCT-US94-13200-1	Sequence 1, Appli	C 811	5	31.2	36941	4	US-08-311-731A-130	Sequence 130, App
C 739	5	31.2	9048	4	US-08-961-527-159	Sequence 159, App	C 812	5	31.2	40000	4	US-09-780-049-18	Sequence 18, Appl
C 740	5	31.2	9299	4	US-09-097-319A-15	Sequence 15, Appl	C 813	5	31.2	40138	4	US-09-090-793-12	Sequence 12, Appl
C 741	5	31.2	9335	4	US-09-097-319A-19	Sequence 19, Appl	C 814	5	31.2	40138	4	US-09-231-899-12	Sequence 12, Appl
C 742	5	31.2	9354	1	US-08-683-839B-2	Sequence 2, Appli	C 815	5	31.2	40429	4	US-08-311-731A-125	Sequence 125, App

C 816	5	31.2	43676	3	US-09-356-952-12	Sequence 12, Appl	C 889	4	25.0	20	4	US-09-511-133-13	Sequence 13, Appl
C 817	5	31.2	50000	4	US-09-146-053-3	Sequence 3, Appl	C 890	4	25.0	20	4	US-09-690-169-13	Sequence 13, Appl
C 818	5	31.2	55298	4	US-09-491-356-C-1	Sequence 1, Appl	C 891	4	25.0	20	4	US-09-853-768-40	Sequence 40, Appl
C 819	5	31.2	58407	4	US-08-916-421B-2	Sequence 2, Appl	C 892	4	25.0	20	4	US-09-853-768-91	Sequence 91, Appl
C 820	5	31.2	64467	4	US-09-803-671B-3	Sequence 3, Appl	C 893	4	25.0	20	4	US-09-511-631-13	Sequence 13, Appl
C 821	5	31.2	65042	4	US-09-784-316-3	Sequence 3, Appl	C 894	4	25.0	20	4	US-09-657-453A-42	Sequence 42, Appl
C 822	5	31.2	81001	4	US-09-750-580-1	Sequence 1, Appl	C 895	4	25.0	20	4	US-09-690-189-13	Sequence 13, Appl
C 823	5	31.2	90050	3	US-09-245-041-5	Sequence 5, Appl	C 896	4	25.0	20	4	US-09-198-452A-2342	Sequence 2342, Ap
C 824	5	31.2	92139	4	US-09-918-686-1	Sequence 1, Appl	C 897	4	25.0	20	4	US-09-198-452A-2571	Sequence 2571, Ap
C 825	5	31.2	98844	4	US-09-791-211-10	Sequence 10, Appl	C 898	4	25.0	20	4	US-09-198-452A-3234	Sequence 3234, Ap
C 826	5	31.2	98844	4	US-09-791-211-10	Sequence 10, Appl	C 899	4	25.0	20	4	US-09-198-452A-3914	Sequence 3914, Ap
C 827	5	31.2	112132	4	US-09-741-150-3	Sequence 3, Appl	C 900	4	25.0	20	4	US-09-198-452A-4927	Sequence 4927, Ap
C 828	5	31.2	148567	4	US-09-801-876B-3	Sequence 3, Appl	C 901	4	25.0	21	1	US-08-338-702-4	Sequence 4, Appl
C 829	5	31.2	162450	4	US-09-345-882-1	Sequence 1, Appl	C 902	4	25.0	21	1	US-08-337-339-4	Sequence 4, Appl
C 830	5	31.2	162450	4	US-09-345-882-1	Sequence 1, Appl	C 903	4	25.0	21	1	US-08-724-095-4	Sequence 4, Appl
C 831	5	31.2	168575	4	US-09-426-290-1	Sequence 1, Appl	C 904	4	25.0	21	1	US-08-549-045-1	Sequence 1, Appl
C 832	5	31.2	168575	4	US-09-426-290-1	Sequence 1, Appl	C 905	4	25.0	21	2	US-08-450-905B-80	Sequence 80, Appl
C 833	5	31.2	169998	4	US-09-676-610B-24	Sequence 24, Appl	C 906	4	25.0	21	2	US-08-914-513-1	Sequence 1, Appl
C 834	5	31.2	169998	4	US-09-676-610B-24	Sequence 24, Appl	C 907	4	25.0	21	2	US-08-669-753-24	Sequence 24, Appl
C 835	5	31.2	197496	4	US-09-877-177A-10	Sequence 10, Appl	C 908	4	25.0	21	2	US-09-028-361A-7	Sequence 7, Appl
C 836	5	31.2	197496	4	US-09-877-177A-10	Sequence 10, Appl	C 909	4	25.0	21	3	US-09-004-113-32	Sequence 32, Appl
C 837	5	31.2	319608	4	US-09-539-333D-1	Sequence 1, Appl	C 910	4	25.0	21	3	US-07-982-759F-80	Sequence 80, Appl
C 838	5	31.2	319608	4	US-09-679-409-1	Sequence 1, Appl	C 911	4	25.0	21	3	US-09-033-333-14	Sequence 14, Appl
C 839	5	31.2	580073	4	US-08-545-528D-1	Sequence 1, Appl	C 912	4	25.0	21	3	US-09-033-428-9	Sequence 9, Appl
C 840	5	31.2	580073	4	US-08-545-528D-1	Sequence 1, Appl	C 913	4	25.0	21	3	US-09-316-083-13	Sequence 13, Appl
C 841	5	31.2	1230025	4	US-09-198-452A-1	Sequence 1, Appl	C 914	4	25.0	21	4	US-09-614-495-14	Sequence 14, Appl
C 842	5	31.2	4403765	3	US-09-103-840A-2	Sequence 2, Appl	C 915	4	25.0	21	4	US-09-933-700-13	Sequence 13, Appl
C 843	5	31.2	4403765	3	US-09-103-840A-2	Sequence 2, Appl	C 916	4	25.0	21	4	US-09-422-978-11563	Sequence 11563, A
C 844	5	31.2	4411529	3	US-09-103-840A-1	Sequence 1, Appl	C 917	4	25.0	21	4	US-09-898-883-9	Sequence 9, Appl
C 845	5	31.2	4411529	3	US-09-103-840A-1	Sequence 1, Appl	C 918	4	25.0	21	5	PCT-US95-14263-4	Sequence 4, Appl
C 846	4	25.0	16	1	US-08-549-045-5	Sequence 5, Appl	C 919	4	25.0	21	5	PCT-US95-14378-4	Sequence 4, Appl
C 847	4	25.0	16	2	US-08-914-512-5	Sequence 5, Appl	C 920	4	25.0	22	1	US-08-271-942A-80	Sequence 80, Appl
C 848	4	25.0	16	4	US-09-371-772B-6994	Sequence 6994, Ap	C 921	4	25.0	22	1	US-08-779-816A-80	Sequence 80, Appl
C 849	4	25.0	17	1	US-08-758-306-105	Sequence 105, App	C 922	4	25.0	22	5	PCT-US95-08604-80	Sequence 80, Appl
C 850	4	25.0	17	1	US-08-758-306-1079	Sequence 1079, Ap	C 923	4	25.0	23	3	US-08-840-316-22	Sequence 22, Appl
C 851	4	25.0	17	4	US-08-584-040-2244	Sequence 2244, Ap	C 924	4	25.0	23	3	US-08-953-094-67	Sequence 67, Appl
C 852	4	25.0	17	4	US-08-584-040-2245	Sequence 2245, Ap	C 925	4	25.0	23	3	US-08-809-523-22	Sequence 22, Appl
C 853	4	25.0	17	4	US-08-584-040-2246	Sequence 2246, Ap	C 926	4	25.0	23	3	US-09-085-476-13	Sequence 13, Appl
C 854	4	25.0	17	4	US-08-584-040-3878	Sequence 3878, Ap	C 927	4	25.0	23	3	US-08-471-971-22	Sequence 22, Appl
C 855	4	25.0	17	4	US-09-371-772B-789	Sequence 789, App	C 928	4	25.0	23	4	US-09-402-776-22	Sequence 22, Appl
C 856	4	25.0	17	4	US-09-371-772B-790	Sequence 790, App	C 929	4	25.0	23	5	PCT-US93-08849A-22	Sequence 22, Appl
C 857	4	25.0	17	4	US-09-371-772B-791	Sequence 791, App	C 930	4	25.0	23	5	PCT-US93-08849-22	Sequence 22, Appl
C 858	4	25.0	17	4	US-09-371-772B-792	Sequence 1645, Ap	C 931	4	25.0	24	1	US-07-800-370-3	Sequence 3, Appl
C 859	4	25.0	17	4	US-09-371-772B-5182	Sequence 5182, Ap	C 932	4	25.0	24	1	US-08-057-168-3	Sequence 3, Appl
C 860	4	25.0	18	3	US-09-161-443-11	Sequence 11, Appl	C 933	4	25.0	24	1	US-08-454-455-8	Sequence 8, Appl
C 861	4	25.0	18	3	US-09-080-855-10	Sequence 10, Appl	C 934	4	25.0	24	3	US-08-755-587-90	Sequence 90, Appl
C 862	4	25.0	18	3	US-08-621-700-15	Sequence 15, Appl	C 935	4	25.0	24	3	US-08-755-587-120	Sequence 120, App
C 863	4	25.0	18	4	US-09-929-940-15	Sequence 15, Appl	C 936	4	25.0	24	3	US-08-781-891-132	Sequence 132, App
C 864	4	25.0	18	4	US-08-566-076-10	Sequence 10, Appl	C 937	4	25.0	24	3	US-08-849-602C-3	Sequence 3, Appl
C 865	4	25.0	18	4	US-08-388-852B-28	Sequence 28, Appl	C 938	4	25.0	24	3	US-09-618-166-132	Sequence 132, App
C 866	4	25.0	18	4	US-09-422-978-7791	Sequence 7791, Ap	C 939	4	25.0	25	3	US-08-860-780-72	Sequence 72, Appl
C 867	4	25.0	18	5	PCT-US95-03940-15	Sequence 15, Appl	C 940	4	25.0	25	3	US-08-860-780-117	Sequence 117, App
C 868	4	25.0	19	1	US-08-281-429A-9	Sequence 9, Appl	C 941	4	25.0	25	3	US-09-073-898-72	Sequence 72, Appl
C 869	4	25.0	19	2	US-08-850-993-19	Sequence 19, Appl	C 942	4	25.0	25	3	US-09-073-898-117	Sequence 117, App
C 870	4	25.0	19	3	US-08-860-635A-3	Sequence 3, Appl	C 943	4	25.0	25	4	US-09-302-620B-28	Sequence 28, Appl
C 871	4	25.0	19	3	US-08-413-740A-182	Sequence 182, App	C 944	4	25.0	26	2	US-08-859-998-1178	Sequence 1178, Ap
C 872	4	25.0	19	4	US-09-281-476-3	Sequence 3, Appl	C 945	4	25.0	26	3	US-08-840-737-10	Sequence 10, Appl
C 873	4	25.0	19	4	US-09-555-889A-5	Sequence 5, Appl	C 946	4	25.0	26	3	US-08-640-737-11	Sequence 11, Appl
C 874	4	25.0	19	4	US-09-422-978-6059	Sequence 6059, Ap	C 947	4	25.0	26	3	US-09-374-135-11	Sequence 11, Appl
C 875	4	25.0	19	5	PCT-US95-04063-182	Sequence 182, App	C 948	4	25.0	26	4	US-09-225-928-1178	Sequence 1178, Ap
C 876	4	25.0	20	1	US-07-629-101D-2	Sequence 2, Appl	C 949	4	25.0	26	4	US-09-561-322-11	Sequence 11, Appl
C 877	4	25.0	20	1	US-08-020-485-2	Sequence 2, Appl	C 950	4	25.0	26	4	US-09-225-201B-1178	Sequence 1178, Ap
C 878	4	25.0	20	2	US-08-623-906A-24	Sequence 24, Appl	C 951	4	25.0	27	3	US-08-911-894-19	Sequence 19, Appl
C 879	4	25.0	20	3	US-08-974-180-35	Sequence 35, Appl	C 952	4	25.0	27	3	US-08-894-511-15	Sequence 15, Appl
C 880	4	25.0	20	3	US-08-934-494-13	Sequence 13, Appl	C 953	4	25.0	27	3	US-09-426-072-3	Sequence 3, Appl
C 881	4	25.0	20	3	US-09-143-068-13	Sequence 13, Appl	C 954	4	25.0	27	4	US-08-952-445-22	Sequence 22, Appl
C 882	4	25.0	20	3	US-09-433-699-42	Sequence 42, Appl	C 955	4	25.0	27	4	US-09-655-728-15	Sequence 15, Appl
C 883	4	25.0	20	3	US-08-927-219-120	Sequence 120, App	C 956	4	25.0	28	2	US-08-378-617A-2	Sequence 2, Appl
C 884	4	25.0	20	3	US-09-527-154-16	Sequence 16, Appl	C 957	4	25.0	28	3	US-08-973-273-13	Sequence 13, Appl
C 885	4	25.0	20	3	US-09-230-804-30	Sequence 30, Appl	C 958	4	25.0	28	3	US-08-118-200-2	Sequence 2, Appl
C 886	4	25.0	20	3	US-09-109-663-41	Sequence 41, Appl	C 959	4	25.0	28	3	US-08-458-745-2	Sequence 2, Appl
C 887	4	25.0	20	4	US-09-143-707-13	Sequence 13, Appl	C 960	4	25.0	29	3	US-08-963-121C-19	Sequence 19, Appl
C 888	4	25.0	20	4	US-09-202-089-13	Sequence 13, Appl	C 961	4	25.0	29	3	US-09-218-114A-3	Sequence 3, Appl


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962 4 25.0 29 3 US-09-218-114A-4
c 963 4 25.0 29 4 US-09-543-513-19
c 964 4 25.0 29 5 PCN-US95-04803-20
c 965 4 25.0 30 1 US-08-198-670A-3
c 966 4 25.0 30 2 US-08-629-001A-132
c 967 4 25.0 30 3 US-09-012-097A-32
c 968 4 25.0 30 3 US-08-642-274D-211
c 969 4 25.0 30 4 US-09-364-539-144
c 970 4 25.0 30 4 US-09-481-620A-50
c 971 4 25.0 30 5 PCN-US93-09695-3
c 972 4 25.0 31 1 US-08-289-709-3
c 973 4 25.0 31 1 US-08-602-656-3
c 974 4 25.0 31 2 US-08-629-001A-29
c 975 4 25.0 31 3 US-09-282-996-7
c 976 4 25.0 31 3 US-08-642-274D-108
c 977 4 25.0 31 4 US-09-225-990-10
c 978 4 25.0 32 4 US-09-534-407-31
c 979 4 25.0 32 4 US-09-007-288E-139
c 980 4 25.0 32 4 US-09-999-201B-31
c 981 4 25.0 32 4 US-08-134-231C-9
c 982 4 25.0 32 4 US-09-269-262B-13
c 983 4 25.0 33 3 US-08-892-747-31
c 984 4 25.0 34 1 US-08-706-037-14
c 985 4 25.0 34 2 US-08-174-672D-25
c 986 4 25.0 34 2 US-09-005-397-14
c 987 4 25.0 34 4 US-09-072-596-347
c 988 4 25.0 35 1 US-08-367-122-51
c 989 4 25.0 35 3 US-07-865-169-5
c 990 4 25.0 36 1 US-08-118-101A-15
c 991 4 25.0 36 1 US-08-556-124-5
c 992 4 25.0 37 3 US-08-885-871-7
c 993 4 25.0 39 1 US-08-121-202-16
c 994 4 25.0 39 3 US-09-248-588-71
c 995 4 25.0 40 1 US-07-741-940-23
c 996 4 25.0 40 1 US-08-289-548A-23
c 997 4 25.0 40 1 US-08-452-654-23
c 998 4 25.0 40 1 US-08-452-655B-23
c 999 4 25.0 40 2 US-08-184-009-185
c1000 4 25.0 40 2 US-08-184-009-190
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ALIGNMENTS

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RESULT 1
US-09-107-532A-990/c
; Sequence 990, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSER: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneka
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 990:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 864 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...864
; SEQUENCE DESCRIPTION: SEQ ID NO: 990:
US-09-107-532A-990
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Pred. No.: 4.89 Length: 864
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-107-532A-990 (1-864)
QY 6 GlycileAspPheIleIlePhe 12
Db 255 GGAATAGATTCATTATTTT 235
RESULT 2
US-09-222-575-101
; Sequence 101, Application US/09222575
; Patent No. 6387697
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222,575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Human
US-09-222-575-101
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Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-222-575-101 (1-277)
QY 10 IleIlePheTrpIlePhe 15
Db 96 ATTATATTTTGGATCTTC 113
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RESULT 3

US-09-389-681-101
; Sequence 101, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jjiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jjiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-389-681-101 (1-277)

Qy 10 IlellePheTrpIlePhe 15
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Db 96 ATTATATTGGATCTTC 113

RESULT 4

US-09-620-405B-101
; Sequence 101, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jjiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jjiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Heples, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-620-405B-101 (1-277)

Qy 10 IlellePheTrpIlePhe 15
|||
Db 96 ATTATATTGGATCTTC 113

RESULT 5

US-09-339-338-101
; Sequence 101, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jjiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jjiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-339-338-101 (1-277)

Qy 10 IlellePheTrpIlePhe 15
|||
Db 96 ATTATATTGGATCTTC 113

RESULT 6

US-09-433-826B-101
; Sequence 101, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jjiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jjiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-433-826B-101 (1-277)

Qy 10 IlellePheTrpIlePhe 15
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Db 96 ATTATATTGGATCTTC 113

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RESULT 7.
US-09-604-287A-101
; Sequence 101, Application US/09604287A
; Patent No. 6586572
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604/287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-604-287A-101 (1-277)
Qy 10 IlellePheTrpilePhe 15
Db 96 ATTATATTGGAGCTTC 113

RESULT 8
US-09-328-352-3953
; Sequence 3953, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328/352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3953
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3953

Alignment Scores:
Pred. No.: 72.4 Length: 921
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-328-352-3953 (1-921)
Qy 6 GlyfileaspPheillele 11
Db 583 GGTATTGATTATTATT 600

RESULT 9
US-09-107-532A-2698/c
; Sequence 2698, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
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; Sequence 2698, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107/532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Daneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 2698:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...975
; SEQUENCE DESCRIPTION: SEQ ID NO: 2698:
US-09-107-532A-2698

Alignment Scores:
Pred. No.: 76 Length: 975
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-107-532A-2698 (1-975)
Qy 1 PheGlnAlaAsnCysGly 6
Db 290 TTCCAGGCTAATTGTGT 273

RESULT 10
US-09-107-532A-2019/c
; Sequence 2019, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
```

NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107.532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 2019:
SEQUENCE CHARACTERISTICS:
LENGTH: 1221 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...1221
SEQUENCE DESCRIPTION: SEQ ID NO: 2019:
US-09-107-532A-2019
Alignment Scores:
Pred. No.: 92.5 Length: 1221
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-107-532A-2019 (1-1221)
Qy 10 IlellePheIlePhe 15
Db 903 ATCATTTTCGATCTC 886
RESULT 11
US-08-817-913-15
Sequence 15, Application US/08817913
Patent No. 618443
GENERAL INFORMATION:
APPLICANT: Pedersen, Rolf
APPLICANT: Lund, Marianne
APPLICANT: Okkels, Finn
APPLICANT: Kreiberg, Jette
TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor

CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/817,913
FILING DATE: 15-SEP-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/02196
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: GB941286.7
FILING DATE: 21-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DY0U10.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1352 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-817-913-15
Alignment Scores:
Pred. No.: 101 Length: 1352
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0
US-09-854-133-587 (1-16) x US-08-817-913-15 (1-1352)
Qy 7 IleAspPheIleIlePhe 12
Db 41 ATAGACTTCATAATTTT 58
RESULT 12
US-09-107-532A-517
Sequence 517, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998

```

PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 60/085,598
  FILING DATE: 14 May 1998
  APPLICATION NUMBER: 60/051571
  FILING DATE: July 2, 1997
  ATTORNEY/AGENT INFORMATION:
    NAME: Ariniello, Pamela Deneke
    REGISTRATION NUMBER: 40,489
    REFERENCE/DOCKET NUMBER: GTC-012
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (781)893-5007
    TELEFAX: (781)893-8277
  INFORMATION FOR SEQ ID NO: 517:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 1419 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: double
      TOPOLOGY: circular
      MOLECULE TYPE: DNA (genomic)
      HYPOTHETICAL: NO
      ANTI-SENSE: NO
      ORIGINAL SOURCE:
        ORGANISM: Enterococcus faecium
      FEATURE:
        NAME/KEY: misc_feature
        LOCATION: (B) LOCATION 1...1419
        SEQUENCE DESCRIPTION: SEQ ID NO: 517:
US-09-107-532A-517

Alignment Scores:
Pred. No.: 105 Length: 1419
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-107-532A-517 (1-1419)

Qy 6 GlyIleAspPheIleIle 11
Db 166 GGGATAGATTTCATTAAT 183

RESULT 13
US-09-134-001C-2404
  Sequence 2404, Application US/09134001C
  Patent No. 6380370
  GENERAL INFORMATION:
    APPLICANT: Lynn Doucette-Stamm et al
    TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
    FILE REFERENCE: GTC-007
    CURRENT APPLICATION NUMBER: US/09/134,001C
    PRIOR FILING DATE: 1998-08-13
    PRIOR APPLICATION NUMBER: US 60/064,964
    PRIOR FILING DATE: 1997-11-08
    PRIOR APPLICATION NUMBER: US 60/055,779
    PRIOR FILING DATE: 1997-08-14
    NUMBER OF SEQ ID NOS: 5674
  SEQ ID NO 2404
  LENGTH: 1470
  TYPE: DNA
  ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2404

Alignment Scores:
Pred. No.: 109 Length: 1470
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

```

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US-09-854-133-587 (1-16) x US-09-134-001C-2404 (1-1470)

Qy 8 AspPheIleIlePheIleP 13
Db 987 GATTATTATTATTCGG 1004

RESULT 14
US-09-134-001C-1339/c
  Sequence 1339, Application US/09134001C
  Patent No. 6380370
  GENERAL INFORMATION:
    APPLICANT: Lynn Doucette-Stamm et al
    TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
    FILE REFERENCE: GTC-007
    CURRENT APPLICATION NUMBER: US/09/134,001C
    PRIOR FILING DATE: 1998-08-13
    PRIOR APPLICATION NUMBER: US 60/064,964
    PRIOR FILING DATE: 1997-11-08
    PRIOR APPLICATION NUMBER: US 60/055,779
    PRIOR FILING DATE: 1997-08-14
    NUMBER OF SEQ ID NOS: 5674
  SEQ ID NO 1339
  LENGTH: 1485
  TYPE: DNA
  ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1339

Alignment Scores:
Pred. No.: 110 Length: 1485
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-134-001C-1339 (1-1485)

Qy 7 IleAspPheIleIlePhe 12
Db 402 ATCGATTATTATTTTC 385

RESULT 15
US-08-817-913-16
  Sequence 16, Application US/08817913
  Patent No. 6184443
  GENERAL INFORMATION:
    APPLICANT: Pedersen, Rolf
    APPLICANT: Lund, Marianne
    APPLICANT: Okkels, Finn
    APPLICANT: Krsiberg, Jette
    TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
    NUMBER OF SEQUENCES: 27
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: Knobbe, Martens, Olson & Bear
      STREET: 620 Newport Center Drive 16th Floor
      CITY: Newport Beach
      STATE: CA
      COUNTRY: U.S.A.
      ZIP: 92660
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Diskette
      COMPUTER: IBM Compatible
      OPERATING SYSTEM: DOS
      SOFTWARE: FastSeq Version 1.5
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/817,913
      FILING DATE: 15-SEP-1997
      CLASSIFICATION: 800
    PRIOR APPLICATION DATA:
      PRIOR APPLICATION NUMBER: PCT/EP95/02196
      FILING DATE: 06-JUN-1995
      APPLICATION NUMBER: GB941286.7

```

FILING DATE: 21-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DYOU10.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502

INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 1734 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-817-913-16

Alignment Scores:
Pred. No.: 126 Length: 1734
Score: 6.00 Matches: 6
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 37.50%
Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-817-913-16 (1-1734)

QY 7 IleAspPheIleIlePhe 12
|||||
Db 240 ATAGACTTCATAATTTT 257

RESULT 16
US-09-601-198-153/c
Sequence 153, Application US/09601198
Patent No. 6531583
GENERAL INFORMATION:
APPLICANT: Cassell, Gail H.
APPLICANT: Chen, Elson Y.
APPLICANT: Glass, Jennifer S.
APPLICANT: Glass, John I.
APPLICANT: Heiner, Cheryl R.
APPLICANT: Lefkowitz, Elliot
TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREA PLASMA
TITLE OF INVENTION: UREA PLASMA
FILE REFERENCE: UAB-13452/22
CURRENT APPLICATION NUMBER: US/09/601,198
CURRENT FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/073,189
PRIOR FILING DATE: 1998-01-30
NUMBER OF SEQ ID NOS: 181
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 153
LENGTH: 1866
TYPE: DNA
ORGANISM: Ureaplasma urealyticum
US-09-601-198-153

Alignment Scores:
Pred. No.: 134 Length: 1866
Score: 6.00 Matches: 6
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 37.50%
Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-601-198-153 (1-1866)

QY 7 IleAspPheIleIlePhe 12
|||||
Db 885 ATTGACTTCATATATTC 868

RESULT 17

US-08-817-913-17
Sequence 17, Application US/08817913
Patent No. 6184443
GENERAL INFORMATION:
APPLICANT: Pedersen, Rolf
APPLICANT: Lund, Marianne
APPLICANT: Okkels, Finn
APPLICANT: Kreiberg, Jette
TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/817,913
FILING DATE: 15-SEP-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/02196
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: GB941286.7
FILING DATE: 21-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DYOU10.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:

INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1920 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-817-913-17

Alignment Scores:
Pred. No.: 137 Length: 1920
Score: 6.00 Matches: 6
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 37.50%
Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-817-913-17 (1-1920)

QY 7 IleAspPheIleIlePhe 12
|||||
Db 240 ATAGACTTCATAATTTT 257

RESULT 18
US-07-721-761A-35
Sequence 35, Application US/07721761A
Patent No. 5475099
GENERAL INFORMATION:
APPLICANT: Vic. C. Knauf
APPLICANT: Gregory A. Thompson
TITLE OF INVENTION: Plant Fatty Acid Synthases
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calgene, Inc.

STREET: 1920 Fifth Street
CITY: Davis
STATE: CA
COUNTRY: USA
ZIP: 95616
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.7
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/721,761A
FILING DATE: 19910626
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/568,493
FILING DATE: 15-AUGUST-1990
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Lassen
REGISTRATION NUMBER: 31,845
NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
REFERENCE/DOCKET NUMBER: CGNE 76-1
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna to mRNA
US-07-721-761A-35

Alignment Scores:
Pred. No.: 140 Length: 1969
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-587 (1-16) x US-07-721-761A-35 (1-1969)
QY 9 PheillelePheTrpIle 14
Db 160 TTTATCATCTCTGGATC 177

RESULT 19
US-07-978-687-35
Sequence 35, Application US/07978687
Patent No. 5510255
GENERAL INFORMATION:
APPLICANT: Vic. C. Knauf
APPLICANT: Gregory A. Thompson
TITLE OF INVENTION: Plant Fatty Acid Synthases
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calgene, Inc.
STREET: 1920 Fifth Street
CITY: Davis
STATE: CA
COUNTRY: USA
ZIP: 95616
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.7
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/978,687
FILING DATE: FEBRUARY 1, 1993

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/05801
FILING DATE: 15-AUGUST-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/568,493
FILING DATE: 15-AUGUST-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/721,761
FILING DATE: 26-JUNE-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Lassen
REGISTRATION NUMBER: 31,845
NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
REFERENCE/DOCKET NUMBER: CGNE 76-2 WO
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna to mRNA
US-07-978-687-35

Alignment Scores:
Pred. No.: 140 Length: 1969
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-587 (1-16) x US-07-978-687-35 (1-1969)
QY 9 PheillelePheTrpIle 14
Db 160 TTTATCATCTCTGGATC 177

RESULT 20
US-08-926-522-17
Sequence 17, Application US/08926522
Patent No. 6426447
GENERAL INFORMATION:
APPLICANT: Vic C. Knauf
APPLICANT: Gregory A. Thompson
TITLE OF INVENTION: PLANT SEED OILS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calgene, Inc.
STREET: 1920 Fifth Street
CITY: Davis
STATE: CA
COUNTRY: USA
ZIP: 95616
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 7.1
SOFTWARE: Microsoft Word 5.1(a)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/926,522
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/458,173
FILING DATE: 2-June-1995
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Lassen
REGISTRATION NUMBER: 31,845

```
NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
NAME: Carl J. Schwedler
REGISTRATION NUMBER: 36,924
REFERENCE/DOCKET NUMBER: CGNE DES
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cdna to mRNA
US-08-926-522-17

Alignment Scores:
Pred. No.: 140 Length: 1969
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-08-926-522-17 (1-1969)
Qy 9 PheillePheTrpIle 14
Db 160 TTTATCATCTTCTGGATC 177

RESULT 21
PCT-US91-05801-35
Sequence 35, Application PC/TUS9105801
GENERAL INFORMATION:
APPLICANT: Vic. C. Knauf
APPLICANT: Gregory A. Thompson
TITLE OF INVENTION: Plant Fatty Acid Synthases
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calgene, Inc.
STREET: 1920 Fifth Street
CITY: Davis
STATE: CA
COUNTRY: USA
ZIP: 95616
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.7
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/05801
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/568,493
FILING DATE: 15-AUGUST-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/721,761
FILING DATE: 26-JUNE-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Lassen
REGISTRATION NUMBER: 31,845
NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
REFERENCE/DOCKET NUMBER: CGNE 76-2 WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
```

```
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna to mRNA
PCT-US91-05801-35

Alignment Scores:
Pred. No.: 140 Length: 1969
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 5 Gaps: 0

US-09-854-133-587 (1-16) x PCT-US91-05801-35 (1-1969)
Qy 9 PheillePheTrpIle 14
Db 160 TTTATCATCTTCTGGATC 177

RESULT 22
US-09-620-312D-597/c
Sequence 597, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunding
APPLICANT: Wang, Dnru
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_FL_genes version 1.0
SEQ ID NO 597
LENGTH: 2038
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (282)..(635)
US-09-620-312D-597

Alignment Scores:
Pred. No.: 145 Length: 2038
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-620-312D-597 (1-2038)
Qy 6 GlylleAspPheille 11
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Db      1885 GGCATTGACTTCATTATA 1868
RESULT 23
US-09-107-532A-845/c
; Sequence 845, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 845:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2049 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...2049
; SEQUENCE DESCRIPTION: SEQ ID NO: 845:
US-09-107-532A-845
Alignment Scores:
Pred. No.: 145 Length: 2049
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-107-532A-845 (1-2049)
QY 9 PheillePheTrpIle 14
Db 98 TTCATCATTTTGGATA 81
RESULT 24
US-09-020-466-1
; Sequence 1, Application US/09020466
; Patent No. 5879908
; GENERAL INFORMATION:
; APPLICANT: LAPING, NICHOLAS
; APPLICANT: OLSON, BARBARA
; APPLICANT: ZHU, YUAN
; TITLE OF INVENTION: CRFG-1a, a target and marker
; TITLE OF INVENTION: for chronic renal failure
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,466
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/045,203
; FILING DATE: 30-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70009-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2371 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-020-466-1
Alignment Scores:
Pred. No.: 165 Length: 2371
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 2 Gaps: 0
US-09-854-133-587 (1-16) x US-09-020-466-1 (1-2371)
QY 10 llellePheTrpIlePhe 15
Db 1226 ATTATATTGGATCTTC 1243
RESULT 25
US-09-192-659-1
; Sequence 1, Application US/09192659
; Patent No. 6127522
; GENERAL INFORMATION:
; APPLICANT: LAPING, NICHOLAS J.
; APPLICANT: OLSON, BARBARA
; APPLICANT: ZHU, YUAN
; TITLE OF INVENTION: CRFG-1a, A TARGET AND MARKER
; TITLE OF INVENTION: FOR CHRONIC RENAL FAILURE
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
```


Alignment Scores:

```

US-08-778-570B-6/C
; Sequence 6, Application US/08778570B
; Patent No. 6437096
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,570B
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-664
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3210 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-778-570B-6

Alignment Scores:
Pred. No.: 215 Length: 3210
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-08-778-570B-6 (1-3210)

QY 11 llePheTrpIlePheTrp 16
DB 28 ATTTTGGATTTTTGG 11

RESULT 31
US-09-854-133-587 (1-16) x US-08-778-570B-6 (1-3210)
; Sequence 6, Application US/09059584
; Patent No. 6440701
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:

```

```

; ADDRESS: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/059,584
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/778,570
; FILING DATE: 03-JAN-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-794
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3210 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-059-584-6

Alignment Scores:
Pred. No.: 215 Length: 3210
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-059-584-6 (1-3210)

QY 11 llePheTrpIlePheTrp 16
DB 28 ATTTTGGATTTTTGG 11

RESULT 32
US-09-255-984-1/C
; Sequence 1, Application US/09255984
; Patent No. 6296851
; GENERAL INFORMATION:
; APPLICANT: Warren, Richard L.
; TITLE OF INVENTION: No. 6296851el Compounds
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechert, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/255,984
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:

```

```
; APPLICATION NUMBER: 08/923.485
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dickinson, Q. Todd
; REGISTRATION NUMBER: 28,354
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215/994-2252
; TELEFAX: 215/994-2222
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3334 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-255-984-1
Alignment Scores:
Pred. No.: 222 Length: 3334
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0
US-09-854-133-587 (1-16) x US-09-255-984-1 (1-3334)
Qy 9 PheillePheTtile 14
Db 1250 TTTATCACTTCTGTGATA 1233
RESULT 33
US-09-508-542-16
; Sequence 16, Application US/09508542
; Patent No. 6339174
; GENERAL INFORMATION:
; APPLICANT: STRAUSS, ANDREAS
; APPLICANT: THUMM, GUNTHER
; APPLICANT: FOHLNER, JOHANNES
; APPLICANT: GOTZ, FRIEDRICH
; TITLE OF INVENTION: METHOD FOR IDENTIFYING A NUCLEIC ACID
; FILE REFERENCE: 10496/P65266US0
; CURRENT APPLICATION NUMBER: US/09/508.542
; PRIOR FILING DATE: 2000-05-16
; PRIOR FILING DATE: 1997-09-27
; PRIOR FILING DATE: 1998-09-26
; PRIOR FILING DATE: 1997-09-27
; PRIOR FILING DATE: 1997-10-29
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 3539
; TYPE: DNA
; ORGANISM: Staphylococcus carnosus
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (1)..(3539)
; OTHER INFORMATION: "n" represents a, t, c, g, unknown or other
US-09-508-542-16
Alignment Scores:
Pred. No.: 234 Length: 3539
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-508-542-16 (1-3539)
Qy 6 GlyileaspPheille 11
Db 565 GGGATTGACTTTATTC 582
RESULT 35
US-08-613-009A-5/c
; Sequence 5, Application US/08613009A
; Patent No. 6090576
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/613.009A
;; FILING DATE: 08-MAR-1996
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Stewart, Michael I
;; REGISTRATION NUMBER: 24973
;; REFERENCE/DOCKET NUMBER: 1038-542
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (416) 595-1155
;; TELEFAX: (416) 595-1163
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 3660 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-613-009A-5
Alignment Scores:          241          Length: 3660
Pred. No.:                6.00      Matches: 6
Score:                    100.00%    Conservative: 0
Best Local Similarity:    100.00%    Mismatches: 0
Query Match:              37.50%     Indels: 0
DB:                        3         Gaps: 0

US-09-854-133-587 (1-16) x US-08-613-009A-5 (1-3660)

Qy      11  IlePheTrpIlePheTrp 16
Db      295  ATTTTGGATTTTTGG 278

RESULT 36
US-08-778-570B-5/c
; Sequence 5, Application US/08778570B
; Patent No. 6437096
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,570B
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-664
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 5:
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;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 3660 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-778-570B-5
Alignment Scores:          241          Length: 3660
Pred. No.:                6.00      Matches: 6
Score:                    100.00%    Conservative: 0
Best Local Similarity:    100.00%    Mismatches: 0
Query Match:              37.50%     Indels: 0
DB:                        4         Gaps: 0

US-09-854-133-587 (1-16) x US-08-778-570B-5 (1-3660)

Qy      11  IlePheTrpIlePheTrp 16
Db      295  ATTTTGGATTTTTGG 278

RESULT 37
US-09-059-584-5/c
; Sequence 5, Application US/09059584
; Patent No. 6440701
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/059,584
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/778,570
; FILING DATE: 03-JAN-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-794
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3660 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-059-584-5
Alignment Scores:          241          Length: 3660
Pred. No.:                6.00      Matches: 6
Score:
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Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 37.50%              Indels: 0
DB: 4                             Gaps: 0

US-09-854-133-587 (1-16) x US-09-059-584-5 (1-3660)

QY 11 IlePheTrpIlePheTrp 16
Db 295 ATTTTGGATTGTTGG 278

RESULT 38
US-08-414-926A-1/c
; Sequence 1, Application US/08414926A
; Patent No. 5721354
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/414,926A
; FILING DATE: March 31, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-494-7622
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human CMV
; STRAIN: Towne
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (845..1321)
; OTHER INFORMATION: /product="UL147"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (1368..1721)
; OTHER INFORMATION: /product="UL152"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (2504..3337)
; OTHER INFORMATION: /product="UL153"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (3515..4711)
; OTHER INFORMATION: /product="UL154"
US-08-414-926A-1

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Alignment Scores:
Pred. No.: 300      Length: 4711
Score: 6.00         Matches: 6
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 37.50%           Indels: 0
DB: 1                  Gaps: 0

US-09-854-133-587 (1-16) x US-08-414-926A-1 (1-4711)

QY 9 PheIleIlePheTrpIle 14
Db 4654 TTTATTATTGTTGGATT 4637

RESULT 39
US-08-926-922-1/c
; Sequence 1, Application US/08926922
; Patent No. 5925751
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,922
; FILING DATE: September 10, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human CMV
; STRAIN: Towne
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (845..1321)
; OTHER INFORMATION: /product="UL147"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (1368..1721)
; OTHER INFORMATION: /product="UL152"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (2504..3337)
; OTHER INFORMATION: /product="UL153"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (3515..4711)

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; OTHER INFORMATION: /product= "UL154"
US-08-926-922-1

Alignment Scores: 300 Length: 4711
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50%
DB: 2 Gaps: 0

US-09-854-133-587 (1-16) x US-08-926-922-1 (1-4711)

Qy 9 PheillePheTrpIle 14
Db 4654 TTTATTATTTTGGATT 4637

RESULT 40

US-09-253-682-1/c
; Sequence 1, Application US/09253682
; Patent No. 6040170
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Char, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,682
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/926,922
; FILING DATE: September 10, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human CMV
; STRAIN: Towne
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (845..1321)
; OTHER INFORMATION: /product= "UL147"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (1368..1721)
; OTHER INFORMATION: /product= "UL152"
; FEATURE:

; NAME/KEY: CDS
; LOCATION: complement (2504..3337)
; OTHER INFORMATION: /product= "UL153"
; FEATURE:

; NAME/KEY: CDS
; LOCATION: complement (3515..4711)
; OTHER INFORMATION: /product= "UL154"
US-09-253-682-1

Alignment Scores: 300 Length: 4711
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50%
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-09-253-682-1 (1-4711)

Qy 9 PheillePheTrpIle 14
Db 4654 TTTATTATTTTGGATT 4637

Search completed: October 30, 2003, 16:01:39
Job time : 49.3274 secs

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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 30, 2003, 15:15:53 ; Search time 41.3451 Seconds
(without alignments)
1052.522 Million cell updates/sec

Title: US-09-854-133-587

Perfect score: 16
Sequence: 1 FQANCGIDFIWFIFW 16

Scoring table:

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Xgapop 60.0 , Xgapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1811591 seqs, 1359896290 residues

Word size: 1

Total number of hits satisfying chosen parameters: 3611492

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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337	10	US-09-854-133-442	Sequence 442, App
337	14	US-10-144-649A-442	Sequence 442, App
342	14	US-10-144-649A-741	Sequence 741, App
2239	10	US-09-738-973-440	Sequence 440, App
2239	14	US-09-854-133-440	Sequence 440, App
2239	14	US-10-144-649A-440	Sequence 440, App
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474	13	US-10-027-632-180253	Sequence 180253, A
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537	13	US-10-027-632-299353	Sequence 299353, A
677	13	US-10-027-632-44026	Sequence 44026, A
677	13	US-10-027-632-44027	Sequence 44027, A
5886	12	US-10-311-455-2185	Sequence 2185, App
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236	5	31.2	182	9	US-09-864-761-32974	Sequence 32974, A	c 308	5	31.2	305	10	US-09-983-965-355	Sequence 355, App
237	5	31.2	187	9	US-09-864-761-31964	Sequence 31964, A	c 309	5	31.2	310	11	US-09-764-891-8880	Sequence 8880, Ap
238	5	31.2	194	9	US-09-815-242-1327	Sequence 1327, Ap	c 310	5	31.2	314	8	US-08-781-986A-3094	Sequence 3094, Ap
239	5	31.2	194	9	US-09-815-242-1574	Sequence 1574, Ap	c 311	5	31.2	316	14	US-10-060-036-951	Sequence 951, App
240	5	31.2	197	10	US-09-796-692-3185	Sequence 3185, Ap	c 312	5	31.2	316	14	US-10-060-036-951	Sequence 951, App
241	5	31.2	197	14	US-10-040-862-3185	Sequence 3185, Ap	c 313	5	31.2	319	9	US-09-815-242-450	Sequence 450, App
242	5	31.2	202	12	US-10-029-386-13856	Sequence 13856, A	c 314	5	31.2	320	10	US-09-867-701-9855	Sequence 9855, Ap
243	5	31.2	203	9	US-09-815-242-1892	Sequence 1892, Ap	c 315	5	31.2	323	11	US-09-791-279-73	Sequence 73, Appl
244	5	31.2	203	9	US-09-815-242-2708	Sequence 2708, Ap	c 316	5	31.2	326	10	US-09-867-701-104	Sequence 104, App
245	5	31.2	203	9	US-09-815-242-3000	Sequence 3000, Ap	c 317	5	31.2	326	12	US-09-814-353-20904	Sequence 20904, A
246	5	31.2	203	9	US-09-815-242-3051	Sequence 3051, Ap	c 318	5	31.2	326	13	US-10-027-632-15493	Sequence 15493, A
247	5	31.2	210	10	US-09-878-574-7388	Sequence 7388, Ap	c 319	5	31.2	330	10	US-09-920-300A-743	Sequence 743, App
248	5	31.2	215	11	US-09-918-995-671	Sequence 671, App	c 320	5	31.2	330	10	US-09-738-626-3335	Sequence 3335, Ap
249	5	31.2	233	10	US-09-878-574-8635	Sequence 8635, Ap	c 321	5	31.2	330	12	US-10-099-926-743	Sequence 743, App
250	5	31.2	234	10	US-09-878-574-13920	Sequence 13920, A	c 322	5	31.2	330	12	US-10-099-926-743	Sequence 743, App
251	5	31.2	242	10	US-09-878-574-10302	Sequence 10302, A	c 323	5	31.2	330	13	US-10-033-528-743	Sequence 743, App
252	5	31.2	246	12	US-09-394-1428B-11	Sequence 11, Appl	c 324	5	31.2	331	10	US-09-878-574-296	Sequence 296, App
253	5	31.2	250	10	US-09-983-965-603	Sequence 603, App	c 325	5	31.2	331	10	US-09-783-590-2118	Sequence 2118, Ap
254	5	31.2	251	10	US-09-878-574-13403	Sequence 13403, A	c 326	5	31.2	331	10	US-09-960-352-6661	Sequence 6661, Ap
255	5	31.2	251	10	US-09-878-574-6258	Sequence 6258, Ap	c 327	5	31.2	332	11	US-09-764-891-8700	Sequence 8700, Ap
256	5	31.2	253	10	US-09-834-975-502	Sequence 502, App	c 328	5	31.2	332	12	US-09-814-353-1519	Sequence 1519, Ap
257	5	31.2	254	14	US-10-060-036-1165	Sequence 1165, Ap	c 329	5	31.2	334	12	US-09-814-353-4019	Sequence 4019, Ap
258	5	31.2	255	9	US-09-878-574-6454	Sequence 6454, Ap	c 330	5	31.2	334	12	US-09-814-353-7878	Sequence 7878, Ap
259	5	31.2	256	9	US-09-815-242-1577	Sequence 1577, Ap	c 331	5	31.2	334	12	US-09-814-353-7878	Sequence 7878, Ap
260	5	31.2	256	9	US-09-815-242-1588	Sequence 1588, Ap	c 332	5	31.2	335	10	US-09-867-701-120	Sequence 120, App
261	5	31.2	256	9	US-09-815-242-1588	Sequence 1588, Ap	c 332	5	31.2	335	12	US-09-814-353-19887	Sequence 19887, A
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263	5	31.2	259	10	US-09-878-574-6434	Sequence 6434, Ap	c 334	5	31.2	336	11	US-09-803-719-2145	Sequence 2145, App
264	5	31.2	259	12	US-10-029-386-19869	Sequence 19869, A	c 335	5	31.2	336	11	US-10-099-663-2	Sequence 2, Appl
265	5	31.2	260	9	US-09-923-876-4843	Sequence 4843, Ap	c 336	5	31.2	336	12	US-09-974-300-4999	Sequence 4999, Ap
266	5	31.2	261	11	US-09-907-907A-34	Sequence 34, Appl	c 337	5	31.2	341	10	US-09-974-300-5009	Sequence 5009, Ap
267	5	31.2	261	12	US-10-434-588-42	Sequence 42, Appl	c 338	5	31.2	341	14	US-10-198-846-13944	Sequence 13944, A
268	5	31.2	261	12	US-10-434-588-44	Sequence 44, Appl	c 339	5	31.2	341	14	US-10-198-846-13944	Sequence 13944, A
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272	5	31.2	263	9	US-09-983-965-919	Sequence 919, App	c 342	5	31.2	344	14	US-10-198-846-10938	Sequence 10938, A
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274	5	31.2	264	10	US-09-983-965-1008	Sequence 1008, Ap	c 344	5	31.2	348	10	US-09-878-574-39	Sequence 39, Appl
275	5	31.2	264	10	US-09-983-965-1010	Sequence 1010, Ap	c 345	5	31.2	350	13	US-10-079-623-185	Sequence 185, App
276	5	31.2	264	10	US-09-983-965-1010	Sequence 1010, Ap	c 346	5	31.2	350	13	US-10-079-623-185	Sequence 185, App
277	5	31.2	265	9	US-09-923-876-5250	Sequence 5250, Ap	c 347	5	31.2	355	13	US-09-764-891-560	Sequence 560, App
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279	5	31.2	266	12	US-09-814-353-3821	Sequence 3821, Ap	c 349	5	31.2	364	10	US-09-878-574-578	Sequence 578, App
280	5	31.2	266	12	US-09-814-353-9894	Sequence 9894, Ap	c 350	5	31.2	365	10	US-09-878-574-578	Sequence 578, App
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378	5	31.2	394	13	US-10-027-632-38239	Sequence 38239, A	C 451	5	31.2	427	13	US-10-027-632-1244	Sequence 1244, Ap
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381	5	31.2	397	11	US-09-918-995-5691	Sequence 5691, Ap	C 454	5	31.2	428	13	US-10-027-632-53271	Sequence 53271, A
382	5	31.2	398	9	US-09-833-790-208	Sequence 208, App	C 455	5	31.2	429	13	US-10-027-632-184037	Sequence 184037, A
383	5	31.2	398	10	US-09-292-758-73	Sequence 73, App1	C 456	5	31.2	429	13	US-10-027-632-12486	Sequence 12486, A
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394	5	31.2	401	9	US-09-795-668-1219	Sequence 1219, Ap	C 467	5	31.2	436	10	US-09-928-457-12	Sequence 12, App1
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397	5	31.2	401	9	US-09-795-668-339	Sequence 339, App	C 470	5	31.2	436	14	US-10-091-504-364	Sequence 364, App
398	5	31.2	401	9	US-09-795-668-411	Sequence 411, App	C 471	5	31.2	438	13	US-10-027-632-85997	Sequence 85997, A
399	5	31.2	401	9	US-09-795-668-925	Sequence 925, App	C 472	5	31.2	438	13	US-10-027-632-84221	Sequence 84221, A
400	5	31.2	401	9	US-09-795-668-926	Sequence 926, App	C 473	5	31.2	438	13	US-10-027-632-296924	Sequence 296924, A
401	5	31.2	401	9	US-09-795-668-927	Sequence 927, App	C 474	5	31.2	438	13	US-10-027-632-296925	Sequence 296925, A
402	5	31.2	401	9	US-09-795-668-928	Sequence 928, App	C 475	5	31.2	439	10	US-09-960-352-3931	Sequence 3931, Ap
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405	5	31.2	401	9	US-09-795-668-1220	Sequence 1220, Ap	C 478	5	31.2	441	14	US-10-214-932-109	Sequence 109, App
406	5	31.2	401	10	US-09-946-807-339	Sequence 339, App	C 479	5	31.2	442	10	US-09-560-863-700	Sequence 700, App
407	5	31.2	401	10	US-09-946-807-411	Sequence 411, App	C 480	5	31.2	442	10	US-09-867-701-2285	Sequence 2285, A
408	5	31.2	401	10	US-09-946-807-925	Sequence 925, App	C 481	5	31.2	442	10	US-09-960-352-11434	Sequence 11434, A
409	5	31.2	401	10	US-09-946-807-926	Sequence 926, App	C 482	5	31.2	444	11	US-09-764-891-553	Sequence 553, App
410	5	31.2	401	10	US-09-946-807-927	Sequence 927, App	C 483	5	31.2	445	10	US-09-880-107-3525	Sequence 3525, Ap
411	5	31.2	401	10	US-09-946-807-928	Sequence 928, App	C 484	5	31.2	445	13	US-10-027-632-37326	Sequence 37326, A
412	5	31.2	401	10	US-09-946-807-1206	Sequence 1206, Ap	C 485	5	31.2	447	13	US-10-027-632-90564	Sequence 90564, A
413	5	31.2	401	10	US-09-946-807-1219	Sequence 1219, Ap	C 486	5	31.2	447	13	US-10-027-632-90565	Sequence 90565, A
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415	5	31.2	401	14	US-10-091-504-152	Sequence 152, App	C 488	5	31.2	448	10	US-09-954-456-29	Sequence 29, App1
416	5	31.2	402	10	US-09-954-456-17	Sequence 17, App1	C 489	5	31.2	448	10	US-09-967-768A-289	Sequence 289, App
417	5	31.2	402	10	US-09-954-456-616	Sequence 616, App	C 490	5	31.2	448	12	US-09-873-367C-391	Sequence 391, App
418	5	31.2	402	10	US-09-967-701-2237	Sequence 2237, Ap	C 491	5	31.2	450	10	US-09-910-664-59	Sequence 59, App1
419	5	31.2	402	10	US-09-983-965-540	Sequence 540, App	C 492	5	31.2	451	11	US-09-918-995-13315	Sequence 13315, A
420	5	31.2	404	11	US-09-918-995-12465	Sequence 12465, A	C 493	5	31.2	451	11	US-09-878-178-688	Sequence 688, App
421	5	31.2	405	10	US-09-360-352-4629	Sequence 4629, Ap	C 494	5	31.2	452	13	US-10-046-935-688	Sequence 688, App
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423	5	31.2	405	11	US-09-918-995-7553	Sequence 7553, Ap	C 496	5	31.2	454	11	US-09-918-995-25016	Sequence 25016, A
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426	5	31.2	409	10	US-09-878-574-15188	Sequence 15188, Ap	C 499	5	31.2	455	10	US-10-027-632-4095	Sequence 4095, Ap
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429	5	31.2	409	14	US-10-198-846-4935	Sequence 4935, Ap	C 502	5	31.2	455	10	US-09-849-636-720	Sequence 720, App
430	5	31.2	410	9	US-09-778-320-254	Sequence 254, App	C 503	5	31.2	455	12	US-09-476-300-720	Sequence 720, App
431	5	31.2	410	9	US-09-910-689-254	Sequence 254, App	C 504	5	31.2	455	12	US-10-113-872-720	Sequence 720, App
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436	5	31.2	414	10	US-09-983-965-692	Sequence 692, App	C 509	5	31.2	455	14	US-10-017-754-720	Sequence 720, App
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438	5	31.2	415	11	US-09-918-995-6574	Sequence 6574, Ap	C 511	5	31.2	457	13	US-10-027-632-71027	Sequence 71027, A
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C 515	5	31.2	459	13	US-10-027-632-87500	Sequence 87500, A	C 588	5	31.2	488	14	US-10-102-524-742	Sequence 742, App
C 516	5	31.2	458	13	US-10-027-632-87501	Sequence 87501, A	C 589	5	31.2	489	10	US-09-974-300-3525	Sequence 3525, Ap
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C 518	5	31.2	459	10	US-09-902-941-625	Sequence 625, App	C 591	5	31.2	490	12	US-10-161-051-591	Sequence 69, Appl
C 519	5	31.2	459	10	US-09-849-625-625	Sequence 625, App	C 592	5	31.2	492	10	US-09-933-797-305	Sequence 305, App
C 520	5	31.2	459	11	US-09-476-300-625	Sequence 625, App	C 593	5	31.2	492	12	US-10-007-926A-32	Sequence 32, Appl
C 521	5	31.2	459	11	US-10-113-873-625	Sequence 625, App	C 594	5	31.2	492	12	US-10-161-051-66	Sequence 66, Appl
C 522	5	31.2	459	14	US-10-017-754-625	Sequence 625, App	C 595	5	31.2	493	11	US-09-918-995-8202	Sequence 6202, Ap
C 523	5	31.2	460	10	US-09-880-107-537	Sequence 537, App	C 596	5	31.2	493	13	US-10-027-632-4240	Sequence 4240, Ap
C 524	5	31.2	460	10	US-09-187-693-22	Sequence 22, Appl	C 597	5	31.2	494	13	US-10-027-632-191863	Sequence 191863,
C 525	5	31.2	460	11	US-09-918-995-15039	Sequence 15039, A	C 598	5	31.2	494	13	US-10-027-632-291837	Sequence 291837,
C 526	5	31.2	460	12	US-09-814-353-16514	Sequence 16514, A	C 599	5	31.2	495	9	US-09-864-761-234	Sequence 234, App
C 527	5	31.2	461	11	US-09-918-995-11023	Sequence 11023, A	C 600	5	31.2	497	10	US-09-783-590-2863	Sequence 2863, Ap
C 528	5	31.2	461	9	US-09-770-444-372	Sequence 372, App	C 601	5	31.2	497	13	US-10-027-632-47670	Sequence 47670, A
C 529	5	31.2	463	9	US-09-864-761-15450	Sequence 15450, A	C 602	5	31.2	497	14	US-10-106-698-2720	Sequence 2720, Ap
C 530	5	31.2	463	11	US-09-918-995-11517	Sequence 11517, A	C 603	5	31.2	497	10	US-09-783-590-10187	Sequence 10187, A
C 531	5	31.2	464	12	US-09-814-353-14262	Sequence 14362, A	C 604	5	31.2	498	10	US-09-738-626-1031	Sequence 1031, Ap
C 532	5	31.2	464	13	US-10-001-876-49	Sequence 49, Appl	C 605	5	31.2	498	11	US-09-770-961-467	Sequence 467, App
C 533	5	31.2	466	10	US-09-764-847-1806	Sequence 1806, Ap	C 606	5	31.2	498	13	US-10-027-632-12988	Sequence 12988, A
C 534	5	31.2	466	11	US-09-918-995-15246	Sequence 15246, A	C 607	5	31.2	498	13	US-10-027-632-66668	Sequence 66668, A
C 535	5	31.2	466	13	US-10-027-632-37785	Sequence 37785, A	C 608	5	31.2	498	13	US-10-027-632-68645	Sequence 68645, A
C 536	5	31.2	466	13	US-10-027-632-37786	Sequence 37786, A	C 609	5	31.2	498	13	US-10-027-632-296041	Sequence 296041,
C 537	5	31.2	466	13	US-10-027-632-308616	Sequence 308616,	C 610	5	31.2	499	11	US-09-918-995-23730	Sequence 25730, A
C 538	5	31.2	466	14	US-10-092-151-1806	Sequence 1806, Ap	C 611	5	31.2	500	11	US-09-991-936-1106	Sequence 1106, Ap
C 539	5	31.2	467	11	US-09-918-995-4635	Sequence 4635, Ap	C 612	5	31.2	500	11	US-09-991-936-1572	Sequence 1672, Ap
C 540	5	31.2	468	11	US-09-918-995-24217	Sequence 24217, A	C 613	5	31.2	500	13	US-10-027-632-127177	Sequence 127177,
C 541	5	31.2	468	13	US-10-027-632-305090	Sequence 305090, A	C 614	5	31.2	500	14	US-10-060-830-32	Sequence 32, Appl
C 542	5	31.2	469	9	US-09-864-761-19917	Sequence 19917, A	C 615	5	31.2	501	10	US-09-783-590-12116	Sequence 12116, A
C 543	5	31.2	469	11	US-09-764-891-5932	Sequence 5932, Ap	C 616	5	31.2	504	10	US-09-839-894-3	Sequence 3, Appl1
C 544	5	31.2	469	11	US-09-764-891-5935	Sequence 5935, Ap	C 617	5	31.2	504	10	US-09-796-692-2663	Sequence 2663, Ap
C 545	5	31.2	470	9	US-09-770-444-184	Sequence 184, App	C 618	5	31.2	504	11	US-09-828-846-416	Sequence 476, App
C 546	5	31.2	470	11	US-09-918-995-22908	Sequence 22908, A	C 619	5	31.2	504	13	US-10-027-632-56425	Sequence 56425, A
C 547	5	31.2	471	9	US-09-864-761-5685	Sequence 5685, Ap	C 620	5	31.2	504	13	US-10-027-632-266694	Sequence 266694,
C 548	5	31.2	472	11	US-09-918-995-23390	Sequence 23390, A	C 621	5	31.2	504	14	US-10-027-632-300632	Sequence 300632,
C 549	5	31.2	473	9	US-09-864-761-6443	Sequence 6443, Ap	C 622	5	31.2	504	14	US-10-040-863-2663	Sequence 2663, Ap
C 550	5	31.2	473	9	US-09-864-761-15464	Sequence 15464, A	C 623	5	31.2	505	13	US-10-027-632-43691	Sequence 43691, A
C 551	5	31.2	473	13	US-10-027-632-315350	Sequence 315350, Ap	C 624	5	31.2	505	13	US-10-027-632-61582	Sequence 61582, A
C 552	5	31.2	474	10	US-09-974-300-2953	Sequence 2953, Ap	C 625	5	31.2	506	9	US-09-764-887-75	Sequence 75, Appl
C 553	5	31.2	474	13	US-10-027-632-174521	Sequence 174521, A	C 626	5	31.2	506	14	US-10-073-961-75	Sequence 75, Appl
C 554	5	31.2	475	11	US-09-918-995-23334	Sequence 23334, A	C 627	5	31.2	507	13	US-10-027-632-225245	Sequence 225245,
C 555	5	31.2	475	13	US-10-027-632-77718	Sequence 77718, A	C 628	5	31.2	507	13	US-10-027-632-225246	Sequence 225246,
C 556	5	31.2	476	11	US-09-918-995-19586	Sequence 19586, A	C 629	5	31.2	508	13	US-10-027-632-45314	Sequence 45314, A
C 557	5	31.2	476	13	US-10-027-632-189137	Sequence 189137,	C 630	5	31.2	508	13	US-10-027-632-62451	Sequence 62451, A
C 558	5	31.2	477	9	US-09-815-242-4791	Sequence 4791, Ap	C 631	5	31.2	508	13	US-10-027-632-107767	Sequence 107767, A
C 559	5	31.2	477	10	US-09-960-352-3764	Sequence 3764, Ap	C 632	5	31.2	509	13	US-10-027-632-67912	Sequence 67912, A
C 560	5	31.2	478	9	US-09-770-444-12	Sequence 12, Appl	C 633	5	31.2	509	13	US-10-027-632-69175	Sequence 69175, A
C 561	5	31.2	479	9	US-09-864-761-3980	Sequence 3980, Ap	C 634	5	31.2	509	13	US-10-027-632-179556	Sequence 179556,
C 562	5	31.2	479	11	US-09-918-995-24896	Sequence 24896, A	C 635	5	31.2	509	13	US-10-027-632-302817	Sequence 302817,
C 563	5	31.2	480	11	US-09-862-540-29	Sequence 29, Appl	C 636	5	31.2	509	13	US-10-027-632-311483	Sequence 311483,
C 564	5	31.2	480	13	US-10-027-632-88971	Sequence 88971, A	C 637	5	31.2	509	13	US-10-027-632-311484	Sequence 311484,
C 565	5	31.2	481	11	US-09-770-961-930	Sequence 930, App	C 638	5	31.2	510	13	US-10-044-090-623	Sequence 623, App
C 566	5	31.2	481	13	US-10-027-632-44501	Sequence 44501, A	C 639	5	31.2	510	13	US-10-071-766-54	Sequence 54, Appl
C 567	5	31.2	482	9	US-09-864-761-15742	Sequence 15742, A	C 640	5	31.2	510	13	US-10-027-632-310683	Sequence 310683,
C 568	5	31.2	482	13	US-10-027-632-34633	Sequence 34633, A	C 641	5	31.2	510	13	US-10-027-632-310684	Sequence 310684,
C 569	5	31.2	482	13	US-10-027-632-77530	Sequence 77530, A	C 642	5	31.2	511	12	US-10-029-386-8209	Sequence 8209, Ap
C 570	5	31.2	482	13	US-10-027-632-300490	Sequence 300490,	C 643	5	31.2	511	13	US-10-027-632-274246	Sequence 274246,
C 571	5	31.2	483	9	US-09-864-711-6	Sequence 6, Appl	C 644	5	31.2	511	14	US-10-198-846-2562	Sequence 2562, Ap
C 572	5	31.2	483	11	US-09-918-995-11921	Sequence 11921, A	C 645	5	31.2	512	10	US-09-974-300-2446	Sequence 2446, Ap
C 573	5	31.2	483	13	US-10-027-632-4248	Sequence 4248, Ap	C 646	5	31.2	512	12	US-10-029-386-11378	Sequence 11378, A
C 574	5	31.2	483	14	US-10-198-846-1612	Sequence 1612, Ap	C 647	5	31.2	512	13	US-10-027-632-16170	Sequence 16170, A
C 575	5	31.2	483	14	US-10-313-542-189	Sequence 189, App	C 648	5	31.2	512	13	US-10-027-632-98348	Sequence 98348, A
C 576	5	31.2	484	10	US-09-919-580-53	Sequence 53, Appl	C 649	5	31.2	512	13	US-10-027-632-98349	Sequence 98349, A
C 577	5	31.2	485	9	US-09-864-761-2098	Sequence 2098, Ap	C 650	5	31.2	512	13	US-10-027-632-98350	Sequence 98350, A
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C 579	5	31.2	485	14	US-10-060-036-1173	Sequence 1173, Ap	C 652	5	31.2	513	11	US-10-027-632-275614	Sequence 275614,
C 580	5	31.2	486	11	US-09-918-995-19231	Sequence 19231, A	C 653	5	31.2	513	12	US-09-918-995-21491	Sequence 21491, A
C 581	5	31.2	486	11	US-09-918-995-31916	Sequence 31916, A	C 654	5	31.2	513	12	US-10-029-386-909	Sequence 909, App
C 582	5	31.2	486	13	US-10-027-632-255260	Sequence 255260,	C 655	5	31.2	513	12	US-10-029-386-5145	Sequence 5145, Ap
C 583	5	31.2	486	13	US-10-027-632-255261	Sequence 255261,	C 656	5	31.2	514	10	US-09-867-701-2370	Sequence 2370, Ap
C 584	5	31.2	487	13	US-10-027-632-305261	Sequence 307, App	C 657	5	31.2	515	11	US-09-918-995-3367	Sequence 3367, Ap
C 585	5	31.2	487	12	US-10-161-051-67	Sequence 67, Appl	C 658	5	31.2	515	13	US-10-027-632-57317	Sequence 57317, A

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C 661	5	31.2	515	13	US-10-027-632-304245	Sequence 304245,	C 734	5	31.2	549	9	US-09-809-905-1	Sequence 1, Appl
C 662	5	31.2	515	13	US-10-027-632-313806	Sequence 313806,	C 735	5	31.2	549	10	US-09-998-598-1220	Sequence 1220, Ap
C 663	5	31.2	515	13	US-10-027-632-313807	Sequence 313807,	C 736	5	31.2	549	11	US-09-991-936-487	Sequence 487, App
C 664	5	31.2	517	13	US-10-027-632-182205	Sequence 182205,	C 737	5	31.2	549	12	US-10-029-386-13463	Sequence 13463, A
C 665	5	31.2	517	13	US-10-027-632-278534	Sequence 278534,	C 738	5	31.2	549	13	US-10-027-632-230142	Sequence 230142,
C 666	5	31.2	519	13	US-09-998-598-2244	Sequence 2244, Ap	C 739	5	31.2	549	13	US-10-027-632-230143	Sequence 230143,
C 667	5	31.2	520	13	US-10-027-632-206715	Sequence 206715,	C 740	5	31.2	550	11	US-09-991-936-439	Sequence 439, App
C 668	5	31.2	521	12	US-10-029-386-13340	Sequence 13340, A	C 741	5	31.2	550	12	US-10-029-386-10776	Sequence 10776, A
C 669	5	31.2	522	12	US-10-029-386-158	Sequence 158, App	C 742	5	31.2	551	9	US-09-864-761-9033	Sequence 9033, Ap
C 670	5	31.2	522	9	US-09-864-761-12841	Sequence 12841, A	C 743	5	31.2	551	9	US-09-864-761-26459	Sequence 26459, A
C 671	5	31.2	524	12	US-10-029-386-10768	Sequence 10768, A	C 744	5	31.2	551	9	US-09-815-242-3489	Sequence 3489, Ap
C 672	5	31.2	524	13	US-10-027-632-210798	Sequence 210798,	C 745	5	31.2	551	12	US-10-029-386-6138	Sequence 6138, Ap
C 673	5	31.2	524	13	US-10-027-632-210799	Sequence 210799,	C 746	5	31.2	551	12	US-10-029-386-23269	Sequence 23269, A
C 674	5	31.2	525	13	US-10-027-632-68581	Sequence 68581, A	C 747	5	31.2	551	13	US-10-027-632-91345	Sequence 91345, A
C 675	5	31.2	525	13	US-10-027-632-89269	Sequence 89269, A	C 748	5	31.2	551	13	US-10-027-632-91346	Sequence 91346, A
C 676	5	31.2	525	13	US-10-027-632-295203	Sequence 295203,	C 749	5	31.2	551	13	US-10-027-632-185765	Sequence 185765,
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C 678	5	31.2	525	13	US-10-027-632-296134	Sequence 296134,	C 751	5	31.2	552	12	US-10-029-386-5765	Sequence 5765, Ap
C 679	5	31.2	525	14	US-10-198-846-11871	Sequence 11871, A	C 752	5	31.2	552	12	US-10-027-632-51070	Sequence 51070, A
C 680	5	31.2	525	14	US-10-106-698-1033	Sequence 1033, Ap	C 753	5	31.2	552	13	US-10-027-632-82341	Sequence 82341, A
C 681	5	31.2	526	13	US-10-027-632-90453	Sequence 90453, A	C 754	5	31.2	552	13	US-10-027-632-82349	Sequence 82349, A
C 682	5	31.2	526	13	US-10-027-632-290450	Sequence 290450,	C 755	5	31.2	552	13	US-10-027-632-107382	Sequence 107382,
C 683	5	31.2	526	13	US-10-027-632-290451	Sequence 290451,	C 756	5	31.2	552	13	US-10-027-632-282130	Sequence 282130,
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C 685	5	31.2	526	13	US-10-027-632-290453	Sequence 290453,	C 758	5	31.2	552	13	US-10-027-632-282132	Sequence 282132,
C 686	5	31.2	526	13	US-10-027-632-303538	Sequence 303538,	C 759	5	31.2	552	13	US-10-027-632-282133	Sequence 282133,
C 687	5	31.2	528	12	US-10-029-386-11550	Sequence 11550, A	C 760	5	31.2	552	13	US-10-027-632-302158	Sequence 302158,
C 688	5	31.2	528	13	US-10-027-632-4865	Sequence 4865, Ap	C 761	5	31.2	553	13	US-10-027-632-76873	Sequence 76873, A
C 689	5	31.2	528	13	US-10-027-632-4865	Sequence 4865, Ap	C 762	5	31.2	553	13	US-10-027-632-76873	Sequence 76873, A
C 690	5	31.2	528	13	US-10-027-632-234823	Sequence 234823,	C 763	5	31.2	555	12	US-10-359-499-21	Sequence 21, Appl
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C 692	5	31.2	529	13	US-10-027-632-37512	Sequence 37512, A	C 765	5	31.2	556	10	US-09-878-178-1588	Sequence 1588, Ap
C 693	5	31.2	529	13	US-10-027-632-37513	Sequence 37513, A	C 766	5	31.2	556	10	US-10-046-935-1588	Sequence 1588, Ap
C 694	5	31.2	529	13	US-10-027-632-43770	Sequence 43770, A	C 767	5	31.2	556	14	US-10-146-502-1588	Sequence 1588, Ap
C 695	5	31.2	529	13	US-10-027-632-297980	Sequence 297980,	C 768	5	31.2	557	12	US-09-814-353-4155	Sequence 4155, Ap
C 696	5	31.2	530	13	US-10-027-632-42516	Sequence 42516, A	C 769	5	31.2	557	12	US-09-814-353-10461	Sequence 10461, A
C 697	5	31.2	530	13	US-10-027-632-42517	Sequence 42517, A	C 770	5	31.2	557	13	US-10-027-632-63985	Sequence 63985, A
C 698	5	31.2	530	13	US-10-027-632-42518	Sequence 42518, A	C 771	5	31.2	557	13	US-10-027-632-63986	Sequence 63986, A
C 699	5	31.2	532	10	US-09-867-701-10599	Sequence 10599, A	C 772	5	31.2	557	13	US-10-027-632-65058	Sequence 65058, A
C 700	5	31.2	532	12	US-10-029-386-9157	Sequence 9157, Ap	C 773	5	31.2	557	13	US-10-027-632-236808	Sequence 236808,
C 701	5	31.2	533	13	US-10-027-632-73087	Sequence 73087, A	C 774	5	31.2	557	13	US-10-027-632-236809	Sequence 236809,
C 702	5	31.2	533	13	US-10-027-632-73088	Sequence 73088, A	C 775	5	31.2	559	13	US-10-027-632-188801	Sequence 188801,
C 703	5	31.2	533	13	US-10-027-632-185601	Sequence 185601,	C 776	5	31.2	559	13	US-10-027-632-188802	Sequence 188802,
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C 707	5	31.2	534	10	US-09-764-877-3407	Sequence 3407, Ap	C 780	5	31.2	561	13	US-10-027-632-51206	Sequence 51206, A
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C 709	5	31.2	534	13	US-10-027-632-15905	Sequence 15905, A	C 782	5	31.2	561	13	US-10-027-632-78435	Sequence 78435, A
C 710	5	31.2	535	10	US-09-867-701-10607	Sequence 10607, A	C 783	5	31.2	561	13	US-10-027-632-285558	Sequence 285558,
C 711	5	31.2	535	11	US-09-764-891-390	Sequence 390, App	C 784	5	31.2	561	13	US-10-027-632-321855	Sequence 321855,
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C 716	5	31.2	539	13	US-10-027-632-87321	Sequence 87321, A	C 789	5	31.2	562	14	US-10-101-464A-381	Sequence 381, App
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ALIGNMENTS

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; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER

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; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
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; Publication No. US20020183499A1
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; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
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; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
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; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
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DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-144-649A-442 (1-337)

Qy 1 PheGlnAlaAsnCysGlyLeuAspPheIleIlePheTrpPheTrp 16
Db 107 TTCAGGCCAATTGGCGCATAGATTTTATCATATTCCTGGATTTTGG 154

RESULT 4
US-10-144-649A-741
; Sequence 741, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 741
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-741

Alignment Scores:
Pred. No.: 3,79e-09 Length: 342
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-144-649A-741 (1-342)

Qy 1 PheGlnAlaAsnCysGlyLeuAspPheIleIlePheTrpPheTrp 16
Db 154 TTCAGGCCAATTGGCGCATAGATTTTATCATATTCCTGGATTTTGG 201

RESULT 5
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
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; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:
Pred. No.: 2,26e-08 Length: 2239
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-738-973-440 (1-2239)

Qy 1 PheGlnAlaAsnCysGlyLeuAspPheIleIlePheTrpPheTrp 16
Db 104 TTCAGGCCAATTGGCGCATAGATTTTATCATATTCCTGGATTTTGG 151

RESULT 6
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:
Pred. No.: 2,26e-08 Length: 2239
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-854-133-440 (1-2239)

Qy 1 PheGlnAlaAsnCysGlyLeuAspPheIleIlePheTrpPheTrp 16
Db 104 TTCAGGCCAATTGGCGCATAGATTTTATCATATTCCTGGATTTTGG 151

RESULT 7
US-10-144-649A-440
```



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; Sequence 440, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-440

```

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Alignment Scores:
Pred. No.: 2,26e-08 Length: 2239
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

```

US-09-854-133-587 (1-16) x US-10-144-649A-440 (1-2239)

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Qy 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpPheTrp 16
Db 104 TTCAGGCCCAATTGGCGATAGATTTTATCATATTCGATTTTGG 151

```

RESULT 8

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US-09-738-973-441
; Sequence 441, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-441

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Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

```

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US-09-854-133-587 (1-16) x US-09-738-973-441 (1-5981)
Qy 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpPheTrp 16
Db 102 TTCAGGCCCAATTGGCGATAGATTTTATCATATTCGATTTTGG 149

```

RESULT 9

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US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-441

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```

Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-854-133-441 (1-5981)

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Qy 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpPheTrp 16
Db 102 TTCAGGCCCAATTGGCGATAGATTTTATCATATTCGATTTTGG 149

```

RESULT 10

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US-10-144-649A-441
; Sequence 441, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-441

```

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Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

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Alignment Scores:		
Pred. No.:	1.6e-07	17672
Score:	16.00	16
Percent Similarity:	100.00%	Conservative: 0
Best Local Similarity:	100.00%	Mismatches: 0
Query Match:	100.00%	Indels: 0

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; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74269

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74269 (1-474)

QY 7 IleAspPheIleIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCTGG 217

RESULT 15

US-10-027-632-74270
; Sequence 74270, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74270
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74270

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74270 (1-474)

QY 7 IleAspPheIleIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCTGG 217

RESULT 16

US-10-027-632-180253
; Sequence 180253, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180253
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180253

Alignment Scores:

Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-180253 (1-474)

QY 7 IleAspPheIleIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCTGG 217

RESULT 17

US-10-027-632-299414
; Sequence 299414, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 299414
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-299414

Alignment Scores:

Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299414 (1-474)

Qy 7 IleaSpPheIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCGG 217

RESULT 18

US-10-027-632-299415
; Sequence 299415, Application US/10027632

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 299415

; LENGTH: 474

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-299415

Alignment Scores:

Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299415 (1-474)

Qy 7 IleaSpPheIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCGG 217

RESULT 19

US-10-027-632-74157/c

; Sequence 74157, Application US/10027632

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74157
; LENGTH: 537
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74157

Alignment Scores:

Pred. No.: 31 Length: 537
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74157 (1-537)

Qy 10 IleaPheTrpIlePheTrp 16
|||||
Db 127 ATAATATTTGGATATTCGG 107

RESULT 20

US-10-027-632-299353/c

; Sequence 299353, Application US/10027632

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 299353

; LENGTH: 537

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-299353

Alignment Scores:

Pred. No.: 31 Length: 537
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299353 (1-537)

Qy 10 IleaPheTrpIlePheTrp 16
|||||

FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 2202
LENGTH: 8576
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-2202

Alignment Scores:
Pred. No.: 430 Length: 8576
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-2202 (1-8576)

Qy 6 GlyileAspPheileilePhe 12
Db 5203 GCAATAGATTTTATATATT 5223

RESULT 25

Sequence 2126, Application US/10311455
Publication No. US20030143606A1

GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PISPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 2126
LENGTH: 9265
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-2126

Alignment Scores:
Pred. No.: 463 Length: 9265
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-2126 (1-9265)

Qy 9 PheileilePheTrpPhe 15
Db 525 TTATATATTTTGGATATT 545

RESULT 26
US-10-311-455-233
Sequence 233, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PISPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 233
LENGTH: 15881
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-233

Alignment Scores:
Pred. No.: 772 Length: 15881
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-233 (1-15881)

Qy 10 IleilePheTrpPheTrp 16
Db 11862 ATTATTTTGGATATTGG 11882

RESULT 27

US-09-835-232-7/c
Sequence 7, Application US/09835232
Patent No. US2002009489A1
GENERAL INFORMATION:
APPLICANT: Leder, Philip
APPLICANT: Leder, Benjamin
TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 00383/052002
CURRENT APPLICATION NUMBER: US/09/835,232
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: US 60/196,811
PRIOR FILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 170834
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(170834)
OTHER INFORMATION: n= A,T,C, or G

US-09-835-232-7

Alignment Scores:
Pred. No.: 7,36e+03 Length: 170834
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0

```

Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 43.75%                Indels: 0
DB: 9                               Gaps: 0

US-09-854-133-587 (1-16) x US-09-835-232-7 (1-170834)

Qy 10 lilelPheTrpIlePheTrp 16
Db 95470 ATCATCTTTGGATTTCGTGG 95450

RESULT 28
US-10-308-485-7/c
; Sequence 7, Application US/10308485
; Publication No. US20030170683A1
; GENERAL INFORMATION:
; APPLICANT: Leder, Philip
; APPLICANT: Leder, Benjamin
; TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 00393/052002
; CURRENT APPLICATION NUMBER: US/10/308,485
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US/09/835,232
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: US 60/196,811
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 170834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(170834)
; OTHER INFORMATION: n= A,T,C, or G
US-10-308-485-7

Alignment Scores:
Pred. No.: 7.36e+03      Length: 170834
Score: 7.00              Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 43.75%              Indels: 0
DB: 12                    Gaps: 0

US-09-854-133-587 (1-16) x US-10-308-485-7 (1-170834)

Qy 10 lilelPheTrpIlePheTrp 16
Db 95470 ATCATCTTTGGATTTCGTGG 95450

RESULT 29
US-10-098-263B-70994
; Sequence 70994, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 70994
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-70994

Alignment Scores:

```

```

Pred. No.: 20.3          Length: 25
Score: 6.00              Matches: 6
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 14                    Gaps: 0

US-09-854-133-587 (1-16) x US-10-098-263B-70994 (1-25)

Qy 6 GlyIleAspPheIleIle 11
Db 6 GGGATAGACTTTATCATCA 23

RESULT 30
US-09-006-298-7
; Sequence 7, Application US/09006298
; Patent No. US20020082224A1
; GENERAL INFORMATION:
; APPLICANT: Jolly, Douglas J.
; APPLICANT: Moore, Margaret D.
; APPLICANT: Chada, Sunil
; TITLE OF INVENTION: NON-IMMUNOGENIC PRODRUGS AND SELECTABLE
; MARKERS FOR USE IN GENE THERAPY
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/006,298
; APPLICATION NUMBER: US/09/006,298
; FILING DATE: 13-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 930049.459
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-006-298-7

Alignment Scores:
Pred. No.: 21.1          Length: 26
Score: 6.00              Matches: 6
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 9                      Gaps: 0

US-09-854-133-587 (1-16) x US-09-006-298-7 (1-26)

Qy 6 GlyIleAspPheIleIle 11
Db 4 GGGATGATTCATCATC 21

RESULT 31
US-09-867-701-51/c
; Sequence 51, Application US/09867701
; Patent No. US20020132237A1

```

```
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 250
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-51

Alignment Scores:
Pred. No.:      181      Length:      250
Score:          6.00     Matches:      6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50% Indels: 0
DB:            10      Gaps: 0

US-09-854-133-587 (1-16) x US-09-867-701-51 (1-250)

Qy      10 llellePheTrpIlePhe 15
      |||||
Db      100 ATAATTTCGGATTTT 83

RESULT 32
US-09-604-287A-101
; Sequence 101, Application US/09604287A
; Patent No. US20020064872A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-101

Alignment Scores:
Pred. No.:      199      Length:      277
Score:          6.00     Matches:      6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50% Indels: 0
DB:            9      Gaps: 0

US-09-854-133-587 (1-16) x US-09-604-287A-101 (1-277)

Qy      10 llellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTCGGATCTTC 113

RESULT 33
US-09-339-338-101
; Sequence 101, Application US/09339338A
; Patent No. US20020102602A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-101

Alignment Scores:
Pred. No.:      199      Length:      277
Score:          6.00     Matches:      6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50% Indels: 0
DB:            10      Gaps: 0

US-09-854-133-587 (1-16) x US-09-339-338-101 (1-277)

Qy      10 llellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTCGGATCTTC 113

RESULT 34
US-09-551-621-101
; Sequence 101, Application US/09551621
; Publication No. US20030104366A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C5
; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-101

Alignment Scores:
Pred. No.:      199      Length:      277
Score:          6.00     Matches:      6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50% Indels: 0
DB:            11      Gaps: 0

US-09-854-133-587 (1-16) x US-09-551-621-101 (1-277)

Qy      10 llellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTCGGATCTTC 113

RESULT 35
US-10-124-805-101
; Sequence 101, Application US/10124805
; Publication No. US2003016022A1
```



```
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-124-805-101

Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 12                Gaps: 0

US-09-854-133-587 (1-16) x US-10-124-805-101 (1-277)
QY 10 llellePheTrpIlePhe 15
Db 96 ATTATATTGGATCTTC 113

RESULT 36
US-10-007-805-101
; Sequence 101, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margarita
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-007-805-101

Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 13                Gaps: 0

US-09-854-133-587 (1-16) x US-10-007-805-101 (1-277)
QY 10 llellePheTrpIlePhe 15
Db 96 ATTATATTGGATCTTC 113
```

```
RESULT 37
US-10-076-622-101
; Sequence 101, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-076-622-101

Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 14                Gaps: 0

US-09-854-133-587 (1-16) x US-10-076-622-101 (1-277)
QY 10 llellePheTrpIlePhe 15
Db 96 ATTATATTGGATCTTC 113

RESULT 38
US-09-867-701-10058
; Sequence 10058, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10058
; LENGTH: 283
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-10058

Alignment Scores:
Pred. No.: 203          Length: 283
Score: 6.00           Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 10                Gaps: 0

US-09-854-133-587 (1-16) x US-09-867-701-10058 (1-283)
QY 9 PheillePheTrpIle 14
Db 21 TTTATATTGGATGATA 38

RESULT 39
US-09-796-692-9005
```

```

; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9005
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-040-862-9005

Alignment Scores:
Pred. No.: 276 Length: 390
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-040-862-9005 (1-390)

QY 10 IieIlePheTrIlePhe 15
DB 229 ATATATTTTGGATCTC 245

Search completed: October 30, 2003, 17:23:03
Job time : 102.345 secs

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